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MICRO JACKS



- Space saving design for high density packaging
- Beryllium Copper multi-spring contact maintains retention after multiple insertions
- Ideal for mounting transistors, resistors, diodes, IC's and similar miniature components
- Custom micro jacks manufactured to your specifications
- Other platings available upon request

SPECIFICATIONS

Body: Brass, ASTM-B16
Spring: Beryllium Copper (QQ-C-533)

Plating:

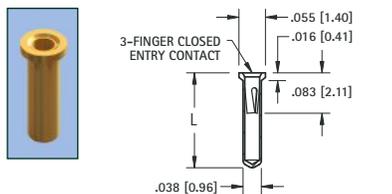
Gold: .000005 per MIL-G-45204
RoHS (RoHS Compliant)
Tin/Lead: .000200 to .000300 per MIL-T-10727, Type 1
RoHS (Non-RoHS Compliant)



PLATING OPTIONS

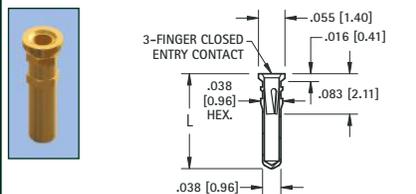
PLATING	BODY	CONTACT SPRING	RoHS
Gold/Gold	Gold	Gold	Compliant
Tin/Tin	Tin/Lead	Tin/Lead	Non-Compliant
Tin/Gold	Tin/Lead	Gold	

.015 (.38) - .021 (.53) PIN - SOLDER MOUNT



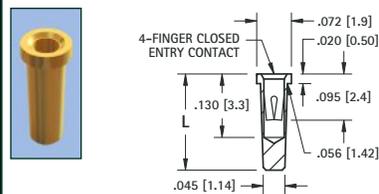
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1411-1	1431-1	1420-1	.140 (3.6)	.042
1411-2	1431-2	1420-2	.170 (4.3)	(1.07)

.015 (.38) - .021 (.53) PIN - PRESS FIT



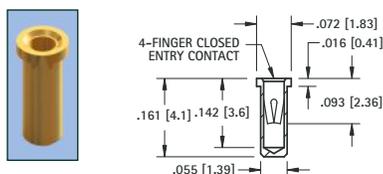
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1412-1	1432-1	1468-1	.140 (3.6)	.040
1412-2	1432-2	1468-2	.170 (4.3)	(1.02)
1412-3	1432-3	1468-3	.282 (7.2)	

.015 (.38) - .025 (.64) PIN - TAPER-FIT



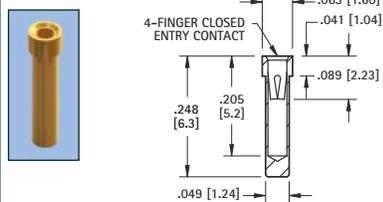
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1415-1	1435-1	1469-1	.160 (4.1)	.055
1415-2	1435-2	1469-2	.190 (4.8)	(1.40)

.015 (.38) - .025 (.64) PIN - SOLDER MOUNT



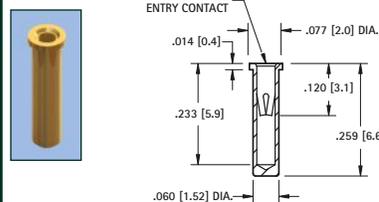
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1413	1433	1470	.059 (1.50)	

.015 (.38) - .025 (.64) PIN - SOLDER MOUNT



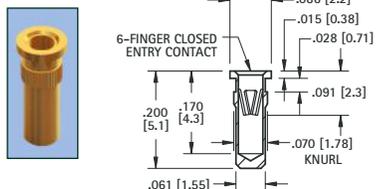
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1603	1606	1607	.052 (1.32)	

.022 (.56) - .032 (.81) PIN - SOLDER MOUNT



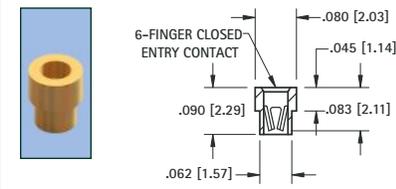
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1693	1694	1695	.063 (1.60)	

.022 (.56) - .034 (.86) PIN - PRESS FIT



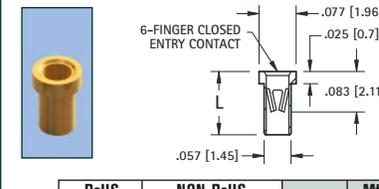
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1416	1436	1471	.067 (1.70)	

.022 (.56) - .034 (.86) PIN - SOLDER MOUNT



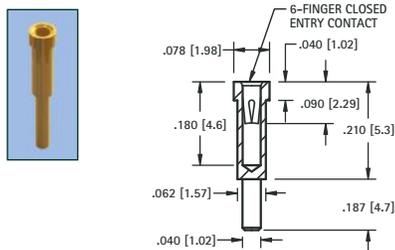
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1658	1659	1673	.065 (1.65)	

.025 (.64) - .037 (.94) PIN - SOLDER MOUNT



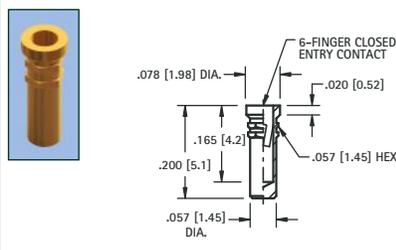
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1626-1	1614-1	1619-1	.095 (2.4)	.062
1626-2	1614-2	1619-2	.105 (2.7)	(1.57)
1626-3	1614-3	1619-3	.155 (3.9)	

.025 (.64) - .037 (.94) PIN - SOLDER MOUNT



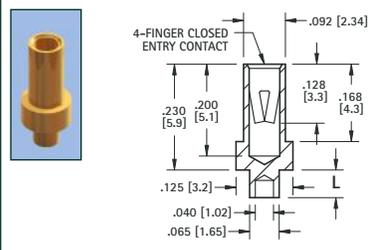
RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
3590	3591	3592	.065 (1.65)	

.025 (.64) - .037 (.94) PIN - PRESS FIT



RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1697	1698	1699	.063 (1.60)	

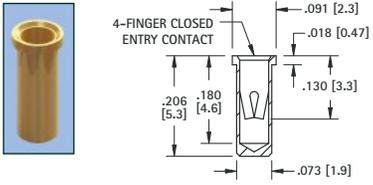
.032 (.81) - .046 (1.17) PIN - SWAGE MOUNT



RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
1419-1	1439-1	1478-1	.062 (1.6)	.069
1419-2	1439-2	1478-2	.094 (2.4)	(1.75)

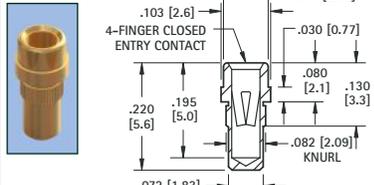
MICRO JACKS

.032 (.81) - .046 (1.17) PIN - SOLDER MOUNT



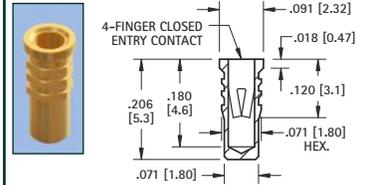
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1417	1437	1479	.076 (1.93)

.032 (.81) - .046 (1.17) PIN - PRESS-FIT



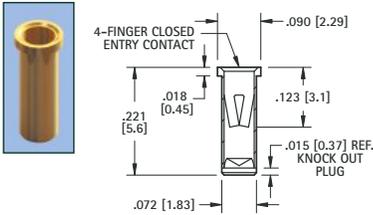
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1443	1446	1473	.078 (1.98)

.032 (.81) - .046 (1.17) PIN - PRESS-FIT



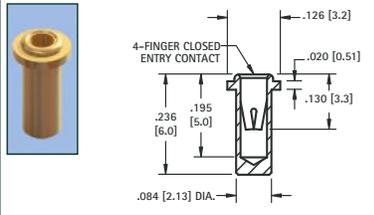
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1442	1445	1486	.079 (2.0)

.032 (.81) - .046 (1.17) PIN - SOLDER MOUNT



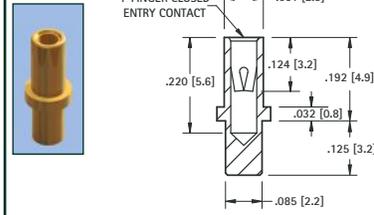
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1441	1444	1488	.076 (1.93)

.032 (.81) - .046 (1.17) PIN - SOLDER MOUNT



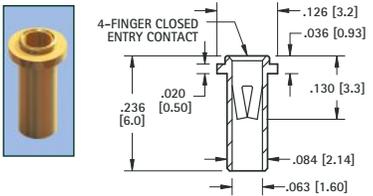
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1674	1675	1676	.087 (2.21)

.032 (.81) - .046 (1.17) PIN - SOLDER MOUNT



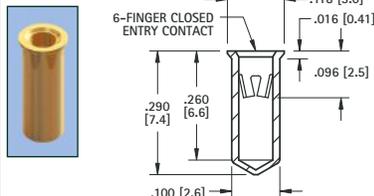
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1677	1678	1679	.089 (2.26)

.032 (.81) - .046 (1.17) PIN - SOLDER MOUNT



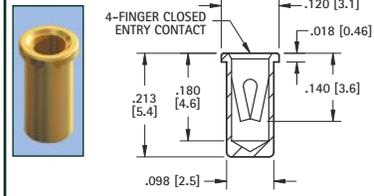
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1414	1434	1496	.089 (2.26)

.040 (1.02) - .050 (1.27) PIN - SOLDER MOUNT



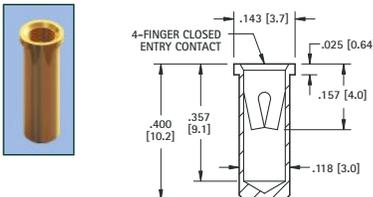
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1418	1438	1497	.104 (2.6)

.048 (1.22) - .064 (1.63) PIN - SOLDER MOUNT



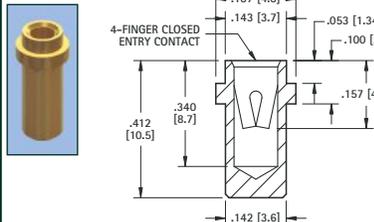
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1682	1683	1684	.102 (2.6)

.065 (1.65) - .082 (2.08) PIN - SOLDER MOUNT



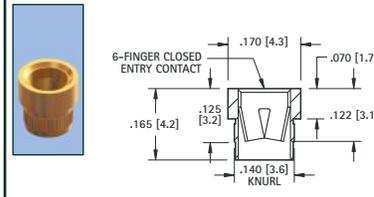
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1641A	1641B	1641C	.122 (3.1)

.065 (1.65) - .082 (2.08) PIN - SOLDER MOUNT



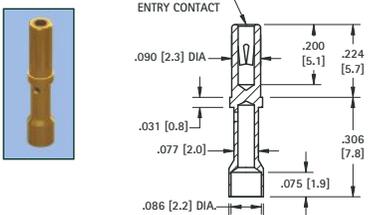
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1687	1688	1689	.146 (3.7)

.084 (2.13) - .102 (2.6) PIN - PRESS-FIT



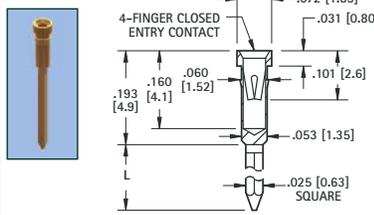
RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
1640A	1640B	1640C	.138 (3.5)

.032 (.81) - .046 (1.17) PIN - CRIMP BARREL JACK

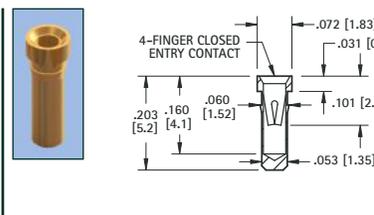


RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
3593	3594	3595	

IC SOCKET CONTACTS FOR .015 (.38) - .025 (.64) LEADS - PRESS-FIT



RoHS	NON-RoHS		L Length	Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD		
CAT. NO.	CAT. NO.	CAT. NO.		
3501	3505	3504	.360 (9.2)	.057
3502	3506	3508	.510 (13.0)	(1.45)



RoHS	NON-RoHS		Mtg. Hole Dia.
GOLD/GOLD	TIN/TIN	TIN/GOLD	
CAT. NO.	CAT. NO.	CAT. NO.	
3503	3507	3509	.057 (1.45)

MICRO PINS

- Precision engineered and manufactured
- Space saving design for high density packaging
- Micro pins are available in .017 (.43) to .080 (2.03) diameters
- Ideal for mating with our standard line of micro jacks
- Available for press-fit, swage or solder mounting
- Custom micro pins manufactured to your specifications
- Other platings available upon request

SPECIFICATIONS

Material: Brass, ASTM-B16

Plating:

Gold: .000005 per MIL-G-45204

Tin: .000200 to .000300 per

MIL-T-10727, Type 1

RoHS (RoHS Compliant)

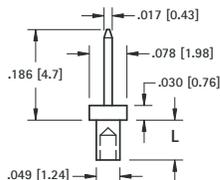
DASH NUMBERS (L Dimension)

- 1 for .032 (.81) thick Board
- 2 for .062 (1.57) thick Board
- 3 for .093 (2.36) thick Board
- 4 for .125 (3.2) thick Board

Example: 1967-1 for .032 (.81) thick Board
1967-2 for .062 (1.57) thick Board

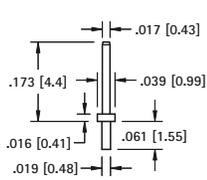


.017 (.43) PIN - SWAGE MOUNT



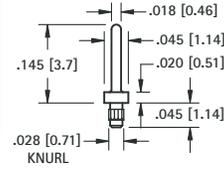
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1967-1	1968-1	.051 (1.3)	.052 (1.32)
1967-2	1968-2	.082 (2.0)	(1.32)

.017 (.43) PIN - SOLDER MOUNT



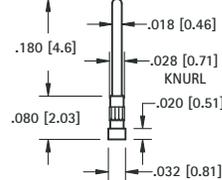
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1378-1	1379-1	.022 (.56)

.018 (.46) PIN - PRESS-FIT



GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1986-1	1987-1	.026 (.66)

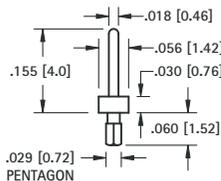
.018 (.46) PIN - PRESS-FIT



MATERIAL: Phosphor Bronze

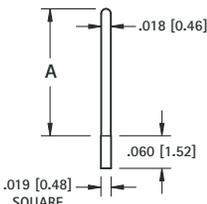
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1990-2	1991-2	.026 (.66)

.018 (.46) PIN - PRESS-FIT



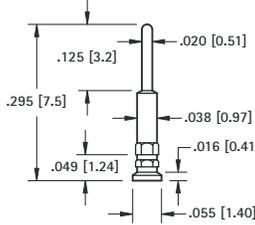
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1988-2	1989-2	.026 (.66)

.018 (.46) PIN - PRESS-FIT



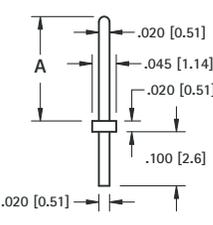
GOLD CAT. NO.	TIN CAT. NO.	A Dim.	Mtg. Hole Dia.
1992-2	1994-2	.243 (6.2)	.022 (.56)
1993-2	1995-2	.140 (3.6)	(.56)

.020 (.51) PIN - PRESS-FIT



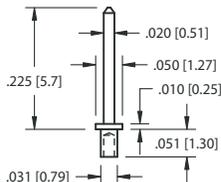
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1996-2	1997-2	.040 (1.01)

.020 (.51) PIN - SOLDER MOUNT



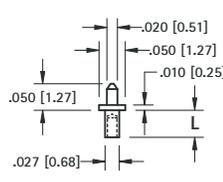
GOLD CAT. NO.	TIN CAT. NO.	A Dim.	Mtg. Hole Dia.
1998-3	2000-3	.250 (6.4)	.024 (.61)
1999-3	2001-3	.425 (10.8)	(.61)

.020 (.51) PIN - SWAGE MOUNT



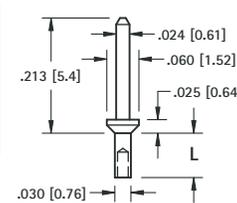
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1366-1	1367-1	.035 (.89)

.020 (.51) PIN - SWAGE MOUNT



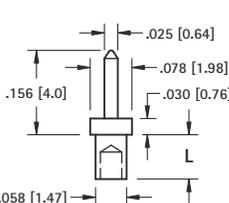
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1372-1	1373-1	.051 (1.3)	.031 (.78)
1372-2	1373-2	.082 (2.1)	(.78)

.024 (.61) PIN - SWAGE MOUNT



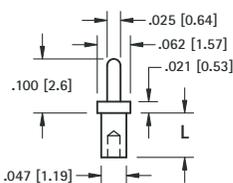
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1406-1	1426-1	.047 (1.2)	.035 (.89)
1406-2	1426-2	.078 (1.9)	(.89)

.025 (.64) PIN - SWAGE MOUNT



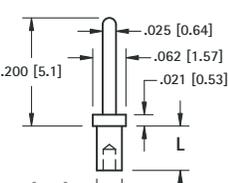
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1408-1	1428-1	.062 (1.6)	.062 (1.57)
1408-2	1428-2	.094 (2.4)	(1.57)

.025 (.64) PIN - SWAGE MOUNT



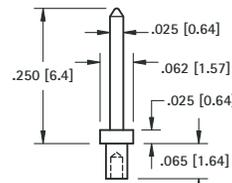
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1404-1	1424-1	.051 (1.3)	.052 (1.32)
1404-2	1424-2	.082 (2.1)	(1.32)

.025 (.64) PIN - SWAGE MOUNT



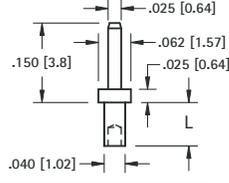
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1407-1	1427-1	.051 (1.3)	.052 (1.32)
1407-2	1427-2	.082 (2.1)	(1.32)

.025 (.64) PIN - SWAGE MOUNT



GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1401-1	1421-1	.043 (1.09)

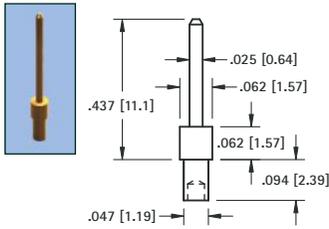
.025 (.64) PIN - SWAGE MOUNT



GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1368-1	1369-1	.051 (1.3)	.043 (1.09)
1368-2	1369-2	.082 (2.1)	(1.09)
1368-3	1369-3	.113 (2.9)	(1.09)

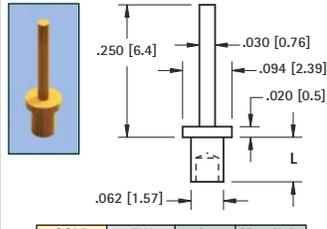
MICRO PINS

.025 (.64) PIN - SWAGE MOUNT



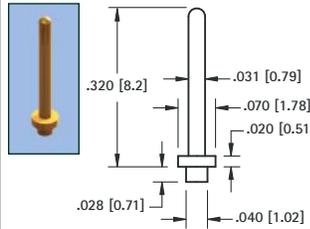
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1370-2	1371-2	.052 (1.32)

.030 (.76) PIN - SWAGE MOUNT



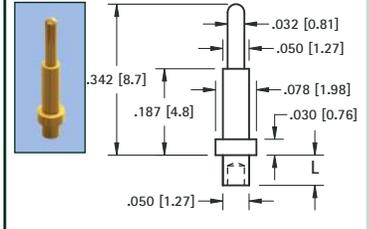
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1374-1	1375-1	.051 (1.3)	.067 (1.70)
1374-2	1375-2	.082 (2.1)	.067 (1.70)
1374-3	1375-3	.113 (2.9)	.067 (1.70)

.031 (.79) PIN - SOLDER MOUNT



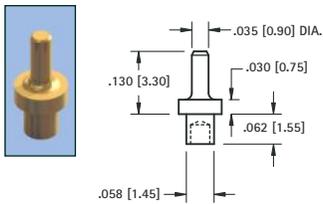
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1352-1	1353-1	.043 (1.09)

.032 (.81) PIN - SWAGE MOUNT



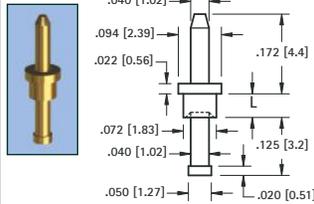
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1354-1	1355-1	.051 (1.3)	.052 (1.32)
1354-2	1355-2	.082 (2.1)	.052 (1.32)

.035 (.90) PIN - SWAGE MOUNT



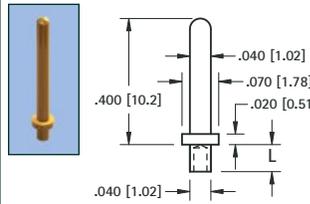
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1380-1	1381-1	.062 (1.57)

.040 (1.0) PIN - SWAGE MOUNT



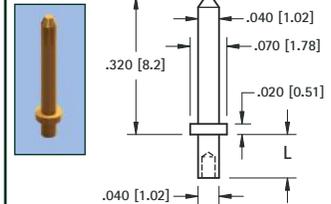
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1356-1	1357-1	.051 (1.3)	.076 (1.93)
1356-2	1357-2	.082 (2.1)	.076 (1.93)
1356-3	1357-3	.113 (2.9)	.076 (1.93)

.040 (1.0) PIN - SWAGE MOUNT



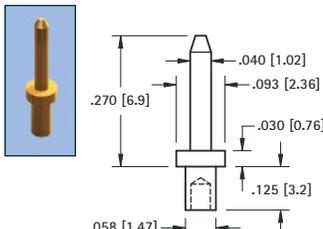
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1358-1	1359-1	.051 (1.3)	.043 (1.09)
1358-2	1359-2	.082 (2.1)	.043 (1.09)

.040 (1.0) PIN - SWAGE MOUNT



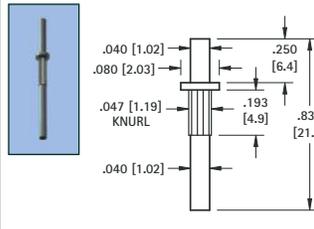
GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1405-1	1425-1	.051 (1.3)	.043 (1.09)
1405-2	1425-2	.082 (2.1)	.043 (1.09)
1405-3	1425-3	.113 (2.9)	.043 (1.09)

.040 (1.0) PIN - SWAGE MOUNT



GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1402-3	1422-3	.062 (1.57)

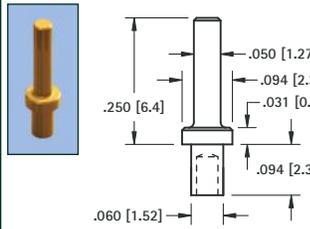
.040 (1.0) KAY PIN - PRESS-FIT



MATERIAL:
Solid Nickel Silver

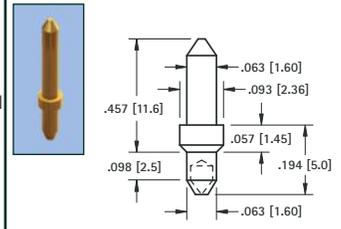
GOLD CAT. NO.	Mtg. Hole Dia.
1218	.043 (1.09) Dia.

.050 (1.3) PIN - SWAGE MOUNT



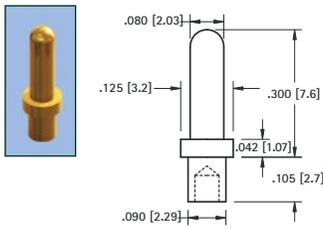
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1360-2	1361-2	.064 (1.63)

.063 (1.6) PIN - SWAGE MOUNT



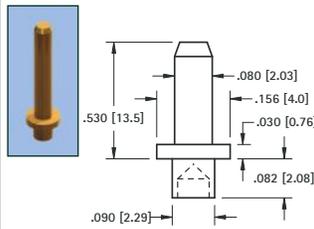
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1362-2	1363-2	.067 (1.70)

.080 (2.0) PIN - SWAGE MOUNT



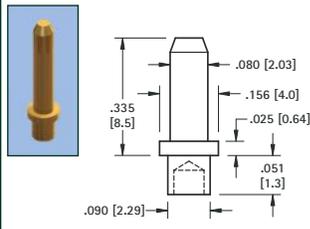
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1376-2	1377-2	.094 (2.38)

.080 (2.0) PIN - SWAGE MOUNT



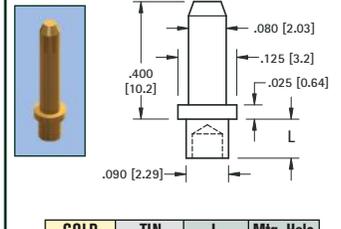
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1364-2	1365-2	.094 (2.38)

.080 (2.0) PIN - SWAGE MOUNT



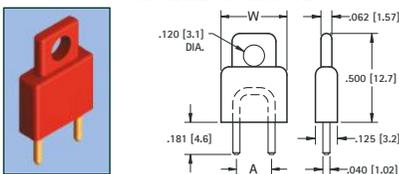
GOLD CAT. NO.	TIN CAT. NO.	Mtg. Hole Dia.
1447-1	1455-1	.094 (2.38)

.080 (2.0) PIN - SWAGE MOUNT



GOLD CAT. NO.	TIN CAT. NO.	L Length	Mtg. Hole Dia.
1447-2	1455-2	.094 (2.4)	.094 (2.38)
1447-3	1455-3	.125 (3.2)	.094 (2.38)
1447-4	1455-4	.156 (4.0)	.094 (2.38)

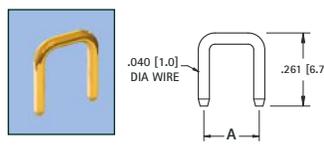
INSULATED SHORTING PLUG



BLUE CAT. NO.	RED CAT. NO.	BLACK CAT. NO.	A Dim.	W Dim.
1460L	1460R	1460B	.200 (5.1)	.375 (9.5)
1461L	1461R	1461B	.250 (6.4)	.375 (9.5)
1462L	1462R	1462B	.400 (10.2)	.620 (15.7)
1463L	1463R	1463B	.500 (12.7)	.620 (15.7)

MATERIAL:
Insulator: Polypropylene
Blue, Red or Black
Pin: Brass, Gold Plate

.040 (1.0) PINS

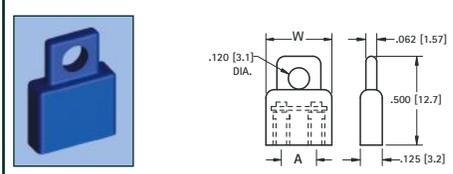


Non-insulated CAT. NO.	A Dim.
1430-1	.200 (5.1)
1430-2	.250 (6.4)
1430-4	.400 (10.2)
1430-5	.500 (12.7)

MATERIAL:
Pin: Brass, Gold Plate

SHORTING PIN

INSULATED SHORTING JACK



• For .040 (1.0) Pins

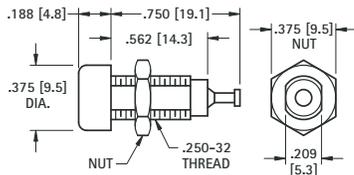
BLUE CAT. NO.	RED CAT. NO.	BLACK CAT. NO.	A Dim.	W Dim.
1487L	1487R	1487B	.200 (5.1)	.375 (9.5)
1400L	1400R	1400B	.400 (10.2)	.620 (15.7)

MATERIAL:
Insulator: Polypropylene
Blue, Red or Black
Spring: Beryllium Copper, Gold Plate

FULLY INSULATED DELUXE TIP JACK

ACCEPTS .080 (2.0) TIP WITH CLOSED ENTRY CONTACT

Fully molded body with recessed closed entry design. Assures maximum retention with .010Ω maximum contact resistance. Prevents accidental insertion of larger diameter probes. Current rating: 10 Amps. Breakdown voltage 5700V RMS. Capacitance to metal panel 2.0 pF nominal. Supplied with nut.



CAT. NO.	COLOR
6030	WHITE
6031	RED
6032	BLACK
6033	GREEN
6034	YELLOW
6035	BLUE

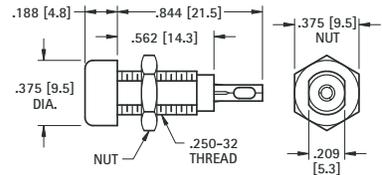
MATERIAL:

Body: Molded Nylon ASTM D4066
Contact: Beryllium Copper, Silver Plate
Terminal: Brass, Tin Plate

FULLY INSULATED STANDARD TIP JACK

ACCEPTS .080 (2.0) TIP

Economical tip jacks with molded Nylon body. Low contact resistance. Formed Phosphor Bronze contact with solder hole for ease in attaching wire. Current rating 10 Amps. Breakdown voltage 5700 VRMS. Capacitance to metal panel 3.8 pF. Supplied with nut.



CAT. NO.	COLOR
6018	WHITE
6019	RED
6020	BLACK
6021	GREEN
6022	YELLOW
6023	BLUE

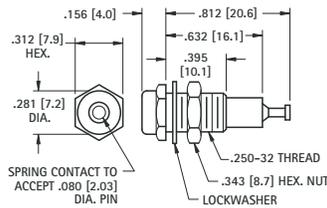
MATERIAL:

Body: Molded Nylon ASTM D4066
Contact: Phosphor Bronze, Tin Plate

METAL-CLAD TIP JACK (MIL)

ACCEPTS .080 (2.0) TIP WITH CLOSED ENTRY CONTACT

High quality tip jack for high reliability industrial applications. Ideal for use where required to withstand severe environmental conditions, temperature, vibration and salt spray. Recessed closed entry contact. Current rating 10 amps. Breakdown voltage: 5700V RMS. Made to MIL-C39024/10. Capacitance to metal panel 2.0 pF. Supplied complete with hardware.



MATERIAL:

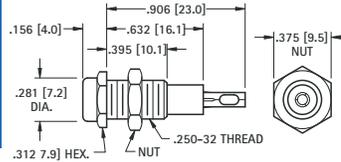
Body: Molded Nylon ASTM D4066
Shell & Nut: Brass QQ-B-626, Nickel Plate QQ-N-290
Contact: Beryllium Copper for QQ-C-533. Gold Plate MIL-G-45204

CAT. NO.	COLOR
6012	WHITE
6013	RED
6014	BLACK
6015	GREEN

METAL-CLAD TIP JACK (STD)

ACCEPTS .080 (2.0) TIP

Molded Nylon body with metal jacket. Contact is formed from phosphor bronze contact with solder hole for ease in attaching wire. Designed for positive contact, easy insertion and withdrawal. Current rating: 10 Amps. Breakdown voltage 5700V RMS. Capacitance to metal panel 3.8 pF. Supplied with nut.



MATERIAL:

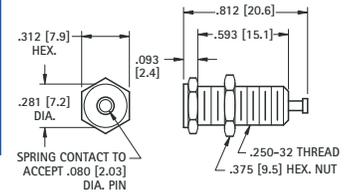
Body: Molded Nylon ASTM D4066
Shell: Brass, Nickel Plate
Contact: Phosphor Bronze, Silver Plate

CAT. NO.	COLOR
6024	WHITE
6025	RED
6026	BLACK
6027	GREEN
6028	YELLOW
6029	BLUE

UNINSULATED TIP JACK

ACCEPTS .080 (2.0) TIP

Quality, precision machined tip jack made of brass. Ideal for use on metal panels where grounding is required. Fits panels up to .375 (9.5) Thick. Supplied with nut.



MATERIAL:

Body: Brass, Nickel Plate
Contact: Beryllium Copper
Current Rating: 15 Amps

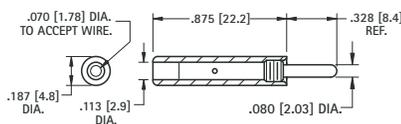
CAT. NO. 6097

SOLDER TIP PLUGS

.080 (2.0) DIAMETER TIP



Designed for miniaturization where space is critical. Solder lead connection. Maximum reliability with minimum contact resistance. Base of tip is recessed to eliminate shock or grounding. Fits all standard jacks.



MATERIAL:

Tip: Brass, Nickel Plate
Handle: Nylon 6/6
Current Rating: 10 Amps

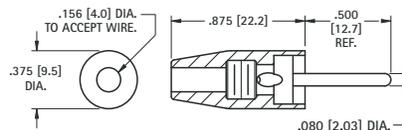
CAT. NO.	COLOR
6006	WHITE
6007	RED
6008	BLACK

SOLDERLESS TIP PLUGS

.080 (2.0) DIAMETER TIP



Fully insulated molded nylon sleeve. Maximum reliability with minimum contact resistance. Recessed metal head eliminates possibility of shock or grounding. Designed for solderless connection of up to 16 gauge stranded wire which fits through handle and tip and is secured by screwing handle tight. Fits all standard tip jacks.



MATERIAL:

Tip: Brass, Nickel Plate
Handle: Nylon 6/6
Current Rating: 10 Amps

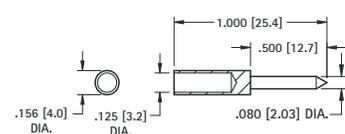
CAT. NO.	COLOR
6000	WHITE
6001	RED
6002	BLACK
6003	GREEN

STANDARD PHONE TIP

.080 (2.0) DIAMETER TIP



Accepts up to 12 gauge wire. Fits all standard tip jacks.



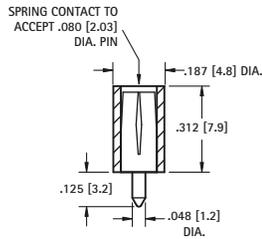
MATERIAL: Brass, Nickel Plate

CAT. NO. 1601

.080 [2.0] PC TEST JACKS



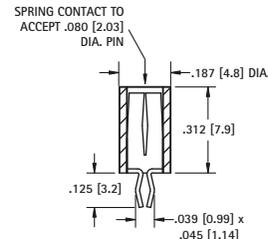
VERTICAL



CAT. NO.	COLOR
6036	WHITE
6037	RED
6038	BLACK
6039	YELLOW
6040	GREEN
6041	BLUE

MATERIAL:
Body: Nylon per ASTM D4066
Contact: Brass, Silver Plate

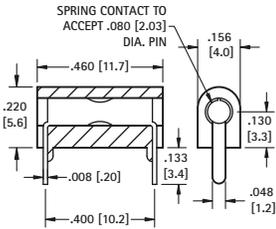
SNAP-FIT VERTICAL



CAT. NO.	COLOR
6042	WHITE
6043	RED
6044	BLACK
6045	YELLOW
6046	GREEN
6047	BLUE

MATERIAL:
Body: Nylon per ASTM D4066
Contact: Beryllium Copper, Silver Plate
Mounting: Snap-fits into .052 (1.32) hole

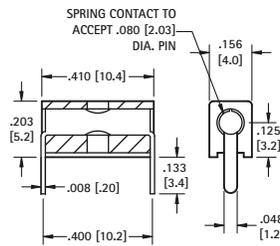
LOW PROFILE HORIZONTAL



GOLD PLATE CAT. NO.	COLOR	SILVER PLATE CAT. NO.
6060	WHITE	6066
6061	RED	6067
6062	BLACK	6068
6063	YELLOW	6069
6064	GREEN	6070
6065	BLUE	6071

MATERIAL:
Body: Nylon per ASTM D4066
Contact: Beryllium Copper, Gold or Silver Plate

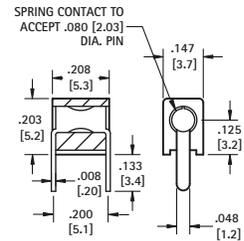
HORIZONTAL/VERTICAL



CAT. NO.	COLOR
6054	WHITE
6055	RED
6056	BLACK
6057	YELLOW
6058	GREEN
6059	BLUE

MATERIAL:
Body: Nylon per ASTM D4066
Contact: Beryllium Copper, Silver Plate

MINIATURE HORIZONTAL



CAT. NO.	COLOR
6048	WHITE
6049	RED
6050	BLACK
6051	YELLOW
6052	GREEN
6053	BLUE

MATERIAL:
Body: Nylon per ASTM D4066
Contact: Beryllium Copper, Silver Plate

HIGH TEMPERATURE PTFE INSULATED TEST POINT JACKS

SPECIFICATIONS

Terminal Jack: Beryllium Copper (QQ-C-533)
 *Brass ASTM B16

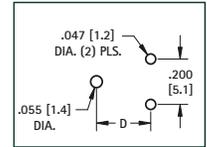
Plating: Gold per MIL-G-45204, Type II

Operating Temperature: -60°F to +500°F (-51°C to 260°C)

Bushing:

White PTFE **RoHS** (RoHS Compliant)

Red or Black PTFE **RoHS** (Non-RoHS Compliant)



Mounting Detail



FIG. 1

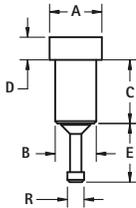


FIG. 2

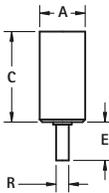
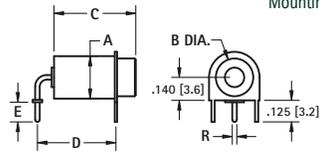


FIG. 3



RoHS		NON-RoHS									Accepts	
White	Red	Black	FIG.	A	B	C	D	E	R	Tip Dia. ± .001 (.03)	Tip Length	
11001	11001-R	11001-B	1	.142 (3.6)	.120 (3.1)	.244 (6.2)	.046 (1.2)	.120 (3.1)	.060 (1.5)	.040 (1.0)	.205 (5.2)	
11002	11002-R	11002-B	1	.142 (3.6)	.120 (3.1)	.283 (7.2)	.046 (1.2)	.120 (3.1)	.060 (1.5)	.040 (1.0)	.245 (6.2)	
11003	11003-R	11003-B	1	.172 (4.4)	.140 (3.6)	.142 (3.6)	.050 (1.3)	.060 (1.5)	.080 (2.0)	.040 (1.0)	.125 (3.2)	
11004	11004-R	11004-B	1	.172 (4.4)	.148 (3.8)	.179 (4.5)	.046 (1.2)	.120 (3.1)	.060 (1.5)	.040 (1.0)	.140 (3.6)	
11005	11005-R	11005-B	1	.218 (5.5)	.185 (4.7)	.301 (7.6)	.050 (1.3)	.105 (2.7)	.125 (3.2)	.080 (2.0)	.315 (8.0)	
11006	11006-R	11006-B	1	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.120 (3.1)	.074 (1.9)	.080 (2.0)	.195 (4.9)	
11007	11007-R	11007-B	1	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.120 (3.1)	.074 (1.9)	.090 (2.3)	.195 (4.9)	
11008	11008-R	11008-B	1	.218 (5.5)	.185 (4.7)	.301 (7.6)	.046 (1.2)	.120 (3.1)	.074 (1.9)	.080 (2.0)	.225 (5.7)	
11009	11009-R	11009-B	1	.218 (5.5)	.185 (4.7)	.400 (10.2)	.050 (1.3)	.187 (4.8)	.074 (1.9)	.080 (2.0)	.280 (7.1)	
11010	11010-R	11010-B	1	.218 (5.5)	.185 (4.7)	.271 (6.9)	.046 (1.2)	.136 (3.5)	.074 (1.9)	.080 (2.0)	.268 (6.8)	
11011	11011-R	11011-B	2	.218 (5.5)	-	.430 (10.9)	-	.150 (3.8)	.050 (1.3)	.080 (2.0)	.200 (5.1)	
11012*	11012-R*	11012-B*	2	.218 (5.5)	-	.500 (12.7)	-	.150 (3.8)	.050 (1.3)	.080 (2.0)	.280 (7.1)	
11013	11013-R	11013-B	3	.218 (5.5)	.187 (4.8)	.689 (17.5)	.500 (12.7)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.500 (12.7)	
11014	11014-R	11014-B	3	.218 (5.5)	.187 (4.8)	.378 (9.6)	.400 (10.2)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.250 (6.4)	
11015	11015-R	11015-B	3	.218 (5.5)	.187 (4.8)	.378 (9.6)	.400 (10.2)	.187 (4.7)	.035 (.89)	.080 (2.0)	.250 (6.4)	
11016	11016-R	11016-B	3	.218 (5.5)	.187 (4.8)	.378 (9.6)	.500 (12.7)	.125 (3.2)	.050 (1.3)	.080 (2.0)	.250 (6.4)	

* Terminal Material: Brass ASTM B16

USB 2.0 PLUGS & SOCKETS

SOCKET SPECIFICATIONS:

Shell: Nickel Plate
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Copper Alloy
Contact Area: Gold Flash over Nickel
Solder Trails: Tin over Nickel

PLUG SPECIFICATIONS:

Shell: Steel, Nickel Plate
Insulator: Thermoplastic, Rated UL 94V-0
Contact: Bronze, Gold Flash over Nickel

ELECTRICAL CHARACTERISTICS

Rated Voltage: 30V (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute

MECHANICAL CHARACTERISTICS

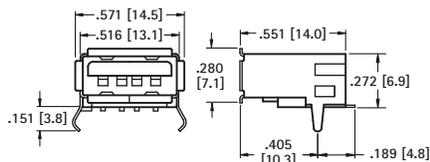
Operating Temperature: -13°F (-25°C) to +176°F (+80°C)
Durability: 1500 Cycles min.

DEVICE APPLICATIONS

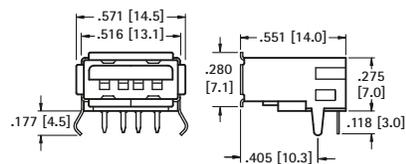
- Ability to daisy chain more than one input device
- Memory Sticks
 - Mouse/Keyboards
 - Printers/Scanners/Docking Stations
 - MP3/Audio Devices
 - Digital Video Cameras & Still Cameras
 - Portable Media Players
 - Gaming Headsets
 - Smart Phones/PDA's

TYPE A SOCKETS

SURFACE MOUNT

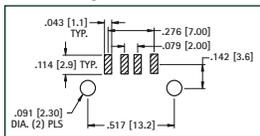


920



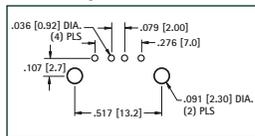
921

Mounting Detail Cat. No. 920



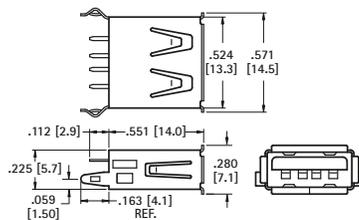
CAT. NO. 920

Mounting Detail Cat. No. 921

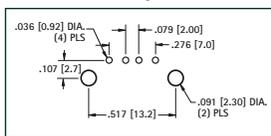


CAT. NO. 921

VERTICAL

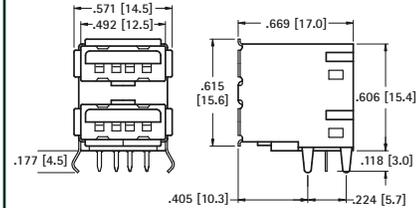


Mounting Detail

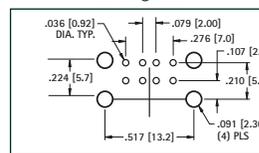


CAT. NO. 923

DUAL STACKING



Mounting Detail



CAT. NO. 922

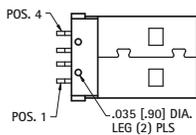
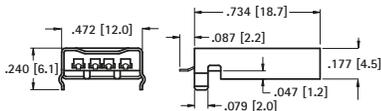
USB 2.0 PLUGS & SOCKETS

TYPE A PLUGS

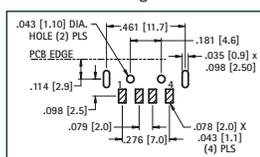
FEATURES

- Available for on-board applications such as memory sticks
- Cable clamp style for creating custom cables
- Gold plated contacts for low contact resistance and excellent reliability

SURFACE MOUNT

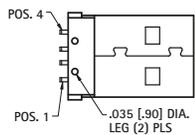
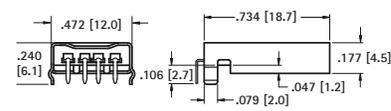


Mounting Detail

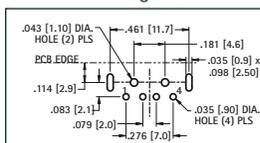


CAT. NO. 931

THRU HOLE MOUNT



Mounting Detail

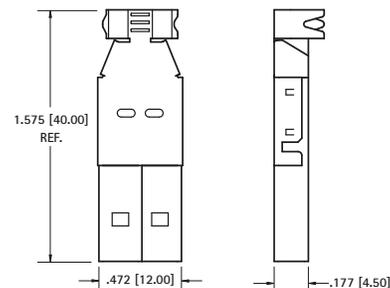


CAT. NO. 932

CABLE PLUG



- Supplied unassembled
- Ideal for custom cable cordsets



CAT. NO. 925

USB 2.0 PLUGS & SOCKETS

SOCKET SPECIFICATIONS:

Shell: Nickel Plate
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Copper Alloy
Contact Area: Gold Flash over Nickel
Solder Trails: Tin over Nickel

PLUG SPECIFICATIONS:

Shell: Steel, Nickel Plate
Insulator: Thermoplastic, Rated UL 94V-0
Contact: Bronze, Gold Flash over Nickel

ELECTRICAL CHARACTERISTICS

Rated Voltage: 30V (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute

MECHANICAL CHARACTERISTICS

Operating Temperature: -13°F (-25°C) to +176°F (+80°C)
Durability: 1500 Cycles min.

DEVICE APPLICATIONS

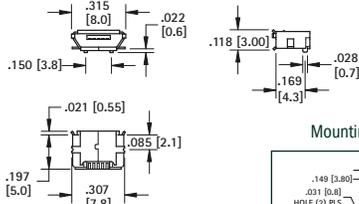
Ability to daisy chain more than one input device

- Memory Sticks
- Mouse/Keyboards
- Printers/Scanners/Docking Stations
- MP3/Audio Devices
- Digital Video Cameras & Still Cameras
- Portable Media Players
- Gaming Headsets
- Smart Phones/PDA's

MICRO-USB TYPE B SOCKETS/PLUGS

SURFACE MOUNT SOCKET

AVAILABLE ON TAPE AND REEL

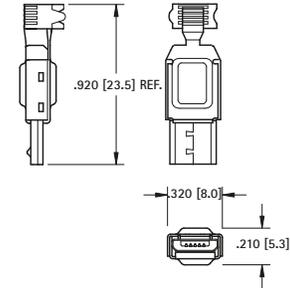


• Ideal for Miniature applications



• Supplied unassembled
 • Ideal for custom cable cordsets

CABLE PLUG

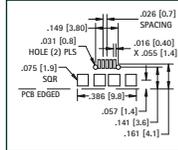


CAT. NO. 940 (Bulk)

CAT. NO. 940TR (Tape & Reel)

Tape & Reel Spec's: 24mm wide; 16mm pitch;
 13 inch reel (1000 pieces per reel)

Mounting Detail



CAT. NO. 941

MINI-USB TYPE B SOCKETS/PLUGS

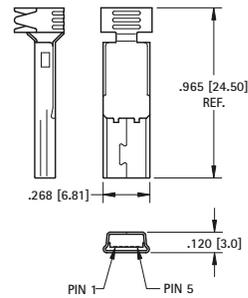
SURFACE MOUNT SOCKET

AVAILABLE ON TAPE AND REEL

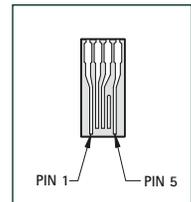


• Supplied unassembled
 • Ideal for custom cable cordsets

CABLE PLUG



Wiring Detail

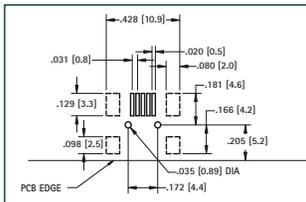


CAT. NO. 934 (Bulk)

CAT. NO. 934TR (Tape & Reel)

Tape & Reel Spec's: 24mm wide; 16mm pitch;
 13 inch reel (1000 pieces per reel)

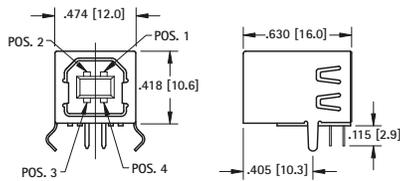
Mounting Detail



CAT. NO. 935

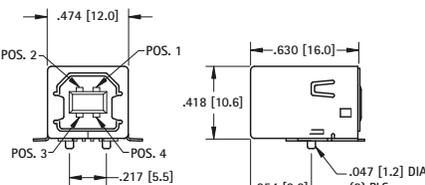
USB TYPE B SOCKETS/PLUGS

THRU HOLE SOCKET



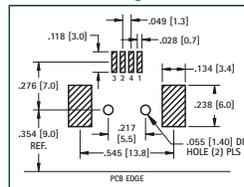
CAT. NO. 924

SURFACE MOUNT SOCKET



CAT. NO. 933

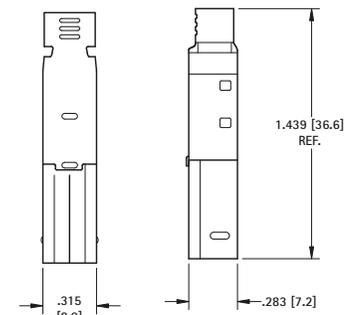
Mounting Detail



CABLE PLUG



• Supplied unassembled
 • Ideal for custom cable cordsets



CAT. NO. 926

USB 3.0 & 3.1 SOCKETS & PLUGS

ELECTRICAL CHARACTERISTICS:

Rated Voltage: 30V (RMS)
Contact Current Rating: 1 Amp DC max.
Contact Resistance: 15 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 750V AC for 1 minute

MECHANICAL CHARACTERISTICS:

Operating Temperature: -13°F (-25°C) to +176°F(+80°C)
Durability: 1500 Cycles min.

USB 3.0 DESIGN ADVANTAGES:

Port Expansion: Alleviates restriction of limited COM Ports and available IRQ's
Compatibility: Backward compatible with USB 2.0 devices
Fast Data Transfer: Up to 4.8 Gbps; 10 times faster than USB 2.0 devices and 200 times faster than serial ports.

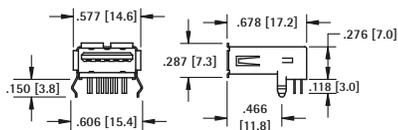
USB 3.1 DESIGN ADVANTAGES:

Compatibility: Backwards compatible with 2.0 & 3.0 (adaptor required)
Data Rates: Up to 10 Gbps; twice as fast as 3.0. Same connector on both sides of cable. No A & B style.

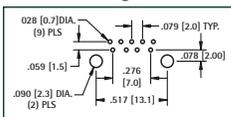
USB 3.0 TYPE A SOCKET & PLUG



THRU-HOLE MOUNT SOCKET



Mounting Detail



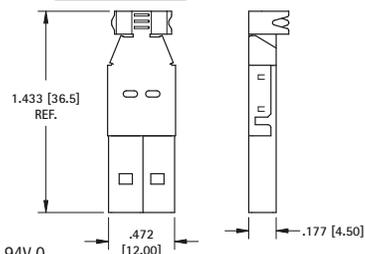
SOCKET SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 945



CABLE PLUG



- Supplied unassembled
- Ideal for custom cable cordsets

PLUG SPECIFICATIONS:

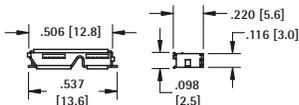
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 947

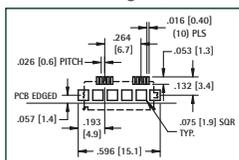
MICRO-USB 3.0 TYPE B SOCKET & PLUG



SURFACE MOUNT SOCKET



Mounting Detail



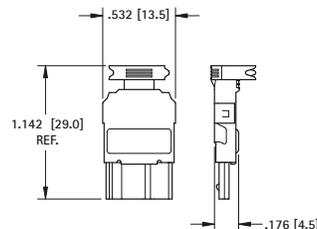
SOCKET SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 955



CABLE PLUG



- Supplied unassembled
- Ideal for custom cable cordsets

PLUG SPECIFICATIONS:

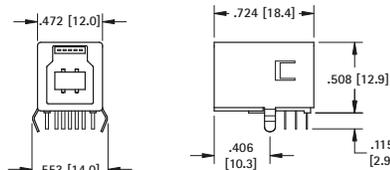
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 957

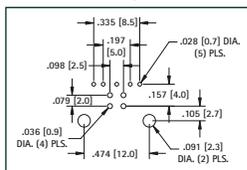
USB 3.0 TYPE B SOCKET & PLUG



THRU-HOLE MOUNT SOCKET



Mounting Detail



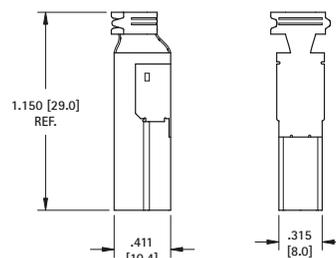
SOCKET SPECIFICATIONS:

Shell: Phosphor Bronze, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel
Contact Area: Gold Flash over Nickel
Solder Tails: Tin over Nickel

CAT. NO. 950



CABLE PLUG



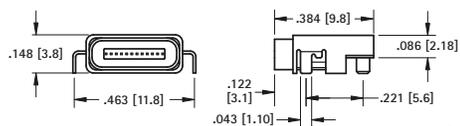
- Supplied unassembled
- Ideal for custom cable cordsets

PLUG SPECIFICATIONS:

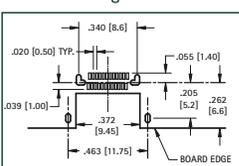
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Flash over Nickel

CAT. NO. 952

USB 3.1 TYPE C SOCKET & PLUG



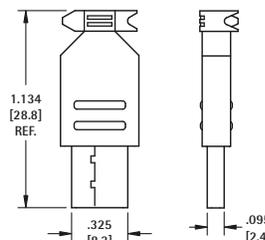
Mounting Detail



SOCKET SPECIFICATIONS:

Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Copper, Gold Plate (Flash)
Solder Tails: Copper Alloy, Tin Plate

CAT. NO. 953



- Supplied unassembled
- Ideal for custom cable cordsets

PLUG SPECIFICATIONS:

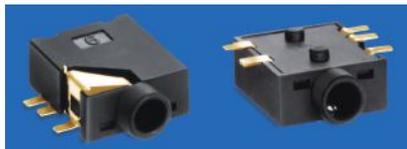
Shell: Steel, Nickel Plated
Insulator: Thermoplastic, UL Rated 94V-0
Contacts: Phosphor Bronze, Gold Plate (Flash)

CAT. NO. 954

USB 3.0 & 3.1 SOCKETS & PLUGS

SURFACE MOUNT AUDIO JACKS

- Mates with 2.5mm and 3.5mm plugs
- Designed for reliable interface with audio equipment including computer speakers, headphones, sound cards, cell phones, etc.
- Models available for mono and stereo applications
- Low profile, surface mount design



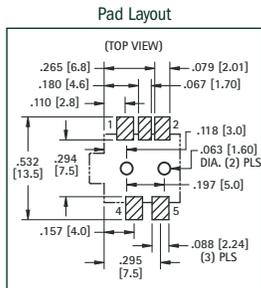
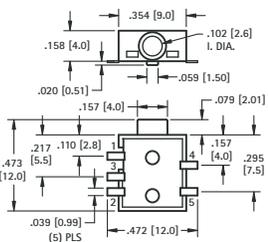
SPECIFICATIONS

Housing: LCP, UL Rated 94V-0
Ground Terminal: .012 (.30) Brass, Gold Flash
Spring Contacts: .008 (.20) Phosphor Bronze, Gold Flash
Shunt Terminals: .012 (.30) Brass, Gold Flash

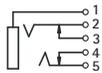
FOR 2.5 mm PLUGS

SUPPLIED ON TAPE AND REEL

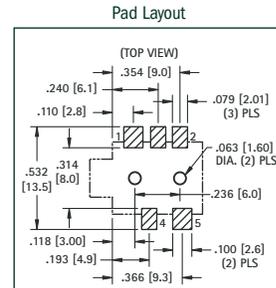
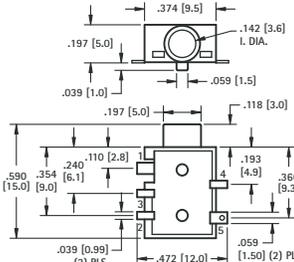
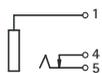
FOR 3.5 mm PLUGS



STEREO SCHEMATIC



MONO SCHEMATIC



CAT. NO. 980TR (Stereo)

CAT. NO. 982TR (Mono)

Tape Spec's: 24mm wide; 16mm pitch
Reel Spec's: 15 inch reel (1,000 pieces per reel)

CAT. NO. 981TR (Stereo)

CAT. NO. 983TR (Mono)

Tape Spec's: 24mm wide; 16mm pitch
Reel Spec's: 15 inch reel (800 pieces per reel)

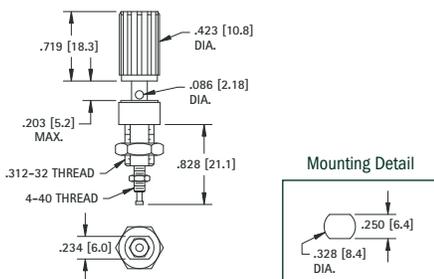
BINDING POSTS

All Keystone binding posts are designed to prevent accidental contact with current carrying parts. They feature a "limited opening" captivated head to insure safety. Ideal for audio circuitry, R.F. circuitry, oscilloscopes, power supplies and various other applications.

These multi-purpose binding posts feature high current rating, captivated heads and anti-rotation stud mounting.

Note: Binding Posts accept .175" (4.5) Banana Plugs, .080" (2.08) Tip Plugs, Spade Lugs, Alligator Clips, Wires and EZ hooks.

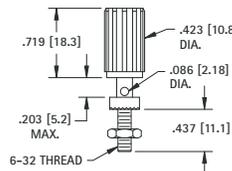
STANDARD BINDING POST



For panels up to .281 (7.1) thick

CAT. NO.	COLOR
7004	RED
7005	BLACK

UNINSULATED BINDING POST



For panels up to .313 (8.0) thick

CAT. NO.	COLOR
7006	RED
7007	BLACK

MATERIAL:

Stud: Brass per QQ-B-626

Plating: Silver Plate

Insulation: Nylon

Current Rating: 15 Amps

Stud to Panel Capacitance: 3.3 pF Nominal

MATERIAL:

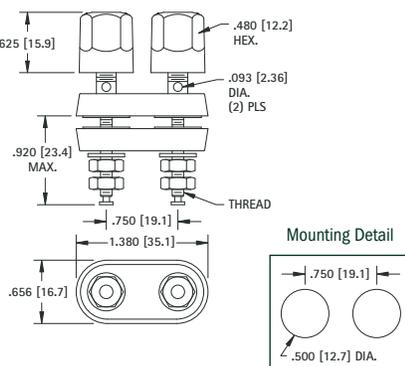
Stud: Brass per QQ-B-626

Plating: Nickel Plate

Insulation: Nylon

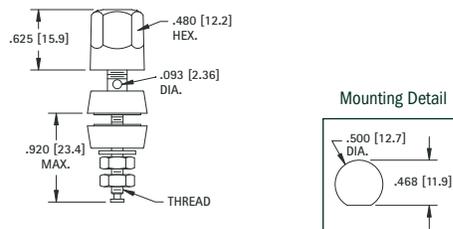
Current Rating: 15 Amps, 1000V AC Working

STANDARD DUAL HEX HEAD



GOLD PLATE		NICKEL PLATE	
CAT. NO.	THREAD	CAT. NO.	THREAD
4108	8-32	7018	8-32
4109	10-32	7019	10-32

STANDARD HEX HEAD



GOLD PLATE			NICKEL PLATE		
CAT. NO.	THREAD	COLOR	CAT. NO.	THREAD	COLOR
4096	8-32	RED	4091	8-32	RED
4097	8-32	BLACK	4092	8-32	BLACK
7016	10-32	RED	4093	10-32	RED
7017	10-32	BLACK	4094	10-32	BLACK
7023	10-32	WHITE	4198	10-32	WHITE
7024	10-32	YELLOW	4199	10-32	YELLOW

MATERIAL:

Stud: Brass per ASTM B-16.

Insulation: Nylon

Current Rating: 30 Amps, 1000V AC Working

MATERIAL:

Stud: Brass per ASTM B-16.

Insulation: Nylon

Current Rating: 30 Amps, 1000V AC Working

LARGE BANANA PLUGS - .300 (7.6)

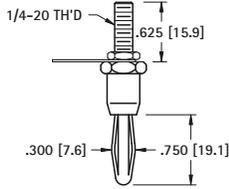
Current Ratings: Large: (.300) 40 Amps



Supplied Unassembled

CAT. NO. 6073

INTERNAL THREAD



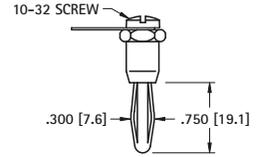
MATERIAL:
Spring: Phosphor Bronze,
Body: Brass, Nickel Plate



Supplied Unassembled

CAT. NO. 6075

EXTERNAL THREAD

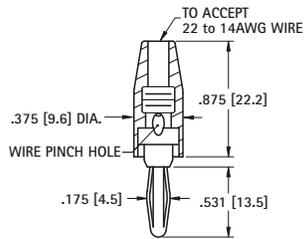


MATERIAL:
Spring: Phosphor Bronze
Body: Brass, Nickel Plate

STANDARD BANANA PLUGS - .175 (4.5)

Current Ratings: Standard: (.175) 15 Amps

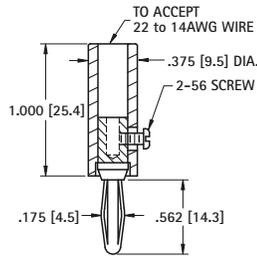
SOLDERLESS CONNECTION



MATERIAL:
Spring: Nickel Silver
Body: Brass, Nickel Plate
Handle: Nylon

CAT. NO.	COLOR
6078	RED
6079	BLACK

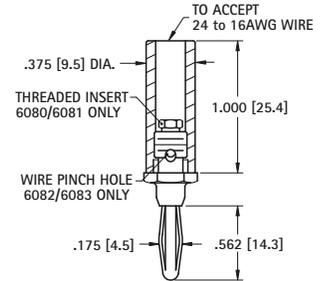
SOLDERLESS WITH SET SCREW



MATERIAL:
Spring: Nickel Silver
Body: Brass, Nickel Plate
Handle: Nylon

CAT. NO.	COLOR
6084	RED
6085	BLACK

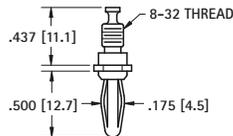
INSULATED



RED CAT. NO.	BLACK CAT. NO.	WIRE CONNECTION
6080	6081	SOLDER
6082	6083	SOLDERLESS

MATERIAL:
Spring: Phosphor Bronze
Body: Brass, Nickel Plate
Handle: Nylon

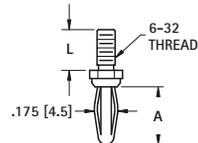
SOLDER LUG



MATERIAL:
Spring: Beryllium Copper
Body: Brass, Nickel Plate

CAT. NO. 652

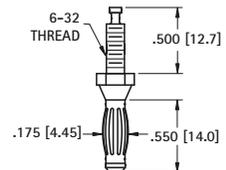
FOUR LEAF SPRING



MATERIAL:
Spring: Beryllium Copper (Cat. No. 653)
Spring: Phosphor Bronze (Cat. No. 654, 655)
Body: Brass, Nickel Plate

CAT. NO.	L	A
653	.500 (12.7)	.437 (11.1)
654	.188 (4.8)	.550 (14.0)
655	.500 (12.7)	.550 (14.0)

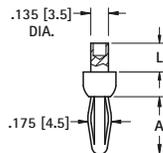
BARREL SPRING



MATERIAL:
Spring: Beryllium Copper
Body: Brass, Nickel Plate

CAT. NO. 657

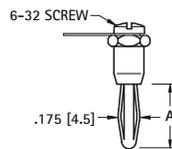
STANDARD RIVET



MATERIAL:
Four Leaf Spring: Phosphor Bronze
Barrel Spring: Beryllium Copper
Body: Brass, Nickel Plate

CAT. NO.	L	A	SPRING
552-3	.187 (4.7)	.437 (11.1)	4 leaf
658	.187 (4.7)	.550 (14.0)	barrel
552-4	.218 (5.5)	.437 (11.1)	4 leaf

INTERNAL THREAD

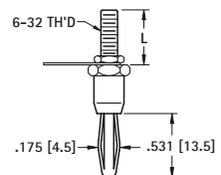


Supplied Unassembled

MATERIAL:
Four Leaf Spring: Phosphor Bronze
Barrel Spring: Beryllium Copper
Body: Brass, Nickel Plate

CAT. NO.	A	SPRING
6072	.531 (13.5)	4 leaf
659	.550 (14.0)	barrel

EXTERNAL THREAD



Supplied Unassembled

CAT. NO.	L
6074-1	.375 (9.5)
6074-2	.750 (19.1)

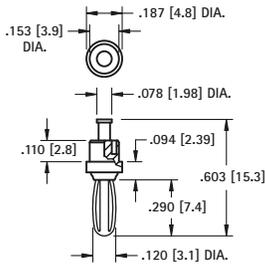
MATERIAL:
Spring: Phosphor Bronze
Body: Brass, Nickel Plate

BANANA PLUGS

MINI BANANA PLUGS - .120 (3.0)

Current Ratings: Miniature: (.120) 10 Amps

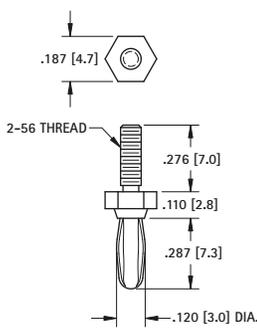
SWAGE MOUNT



MATERIAL:
Spring: Beryllium Copper
Body: Brass, Silver Plate

CAT. NO. 452

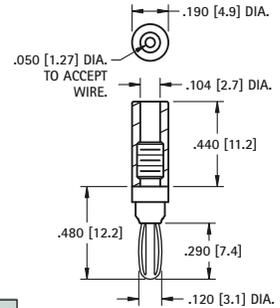
THREADED



MATERIAL:
Spring: Beryllium Copper, Nickel Plate
Body: Brass, Silver Plate

CAT. NO. 450

SOLDER CONNECTION

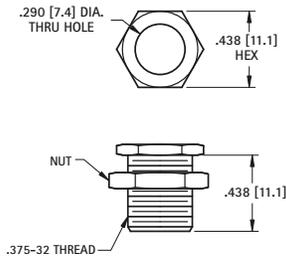


CAT. NO.	COLOR
6076	RED
6077	BLACK
451	NONE

MATERIAL:
Spring: Beryllium Copper, Nickel Plate
Body: Brass, Nickel Plate
Handle: Nylon

BANANA JACKS

LARGE BANANA JACK



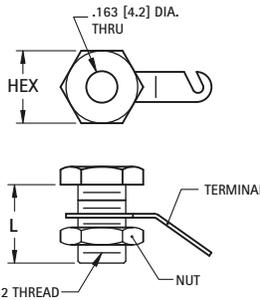
Accepts
 .300 (7.6)
 Plug

MATERIAL:
Body: Brass, Nickel Plate
Terminal: Brass, Tin Plate

Supplied Unassembled

CAT. NO. 6098

NON-INSULATED STANDARD JACKS



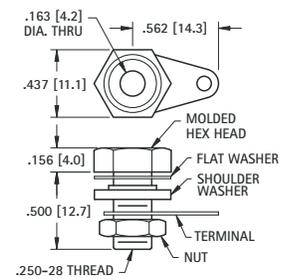
Accepts
 .175 (4.5)
 Plug

MATERIAL:
Body: Brass, Nickel Plate
Terminal: Brass, Tin Plate

Supplied with nut and lug. Unassembled

CAT. NO.	HEX	L	DESCRIPTION
6095	.375 (9.5)	.406 (10.3)	Resessed head
6096	.312 (7.9)	.500 (12.7)	Narrow Head

INSULATED STANDARD JACKS



Accepts
 .175 (4.5)
 Plug

Supplied with hardware
 Unassembled

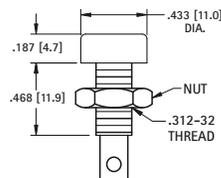
CAT. NO.	HEAD COLOR
6093	RED
6094	BLACK

MATERIAL:
Body: Brass, Nickel Plate
Terminal: Copper, Tinned
Hex Head: Phenolic

FULLY INSULATED STANDARD JACKS



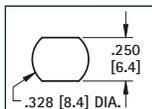
Accepts
 .175 (4.5)
 Plug



MATERIAL:
Body: Nylon
Contact: Brass, Tin Plate

CAT. NO.	COLOR
6091	RED
6092	BLACK

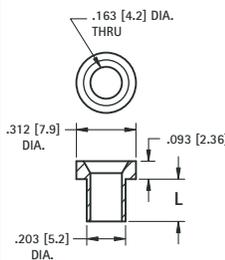
Mounting Detail



SWAGE MOUNT

STANDARD

Accepts
 .175 (4.5)
 Plug

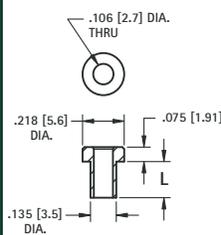


MATERIAL:
 Brass, Nickel Plate

CAT. NO.	L
575-4	.218 (5.5)
575-6	.265 (6.7)
575-8	.350 (8.9)

MINIATURE

Accepts
 .120 (3.0)
 Plug



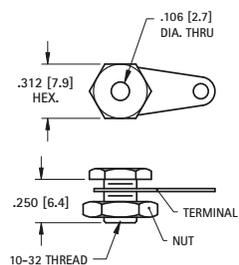
MATERIAL:
 Brass, Tin Plate

CAT. NO.	L
476-2	.125 (3.2)
476-3	.165 (4.2)
476-4	.187 (4.7)

MINIATURE BANANA JACK



Accepts
 .120 (3.0)
 Plug



Supplied with lug and nut.
 Unassembled

CAT. NO. 6090

MATERIAL:
Body: Brass, Nickel Plate
Terminal: Copper, Tinned

IP68 DUST & WATER RESISTANT 8P8C NETWORK CONNECTORS

These RJ45 plugs and sockets are IP68 rated for underwater, dust and other harsh environments once assembled. Sockets available as direct PC mount, Panel mount or with IDC connection for CAT 5e cables. When not in use covers available to keep socket clean and dry.

ENVIRONMENTAL/ELECTRICAL PROPERTIES:

Ingress Protection: IP68 rated
Voltage Rating: 125 VAC RMS
Compliance: IEE and IEC Compliant
Voltage Rating: 125 VAC RMS
Data Rate: 100Base-T (Fast Ethernet)

MECHANICAL PROPERTIES:

Operating Temp: -15°F to 175°F (-26°C to 79°C)
Durability: 500 cycles min.
Body: High Temperature Thermoplastic, UL 94V-0
Gasket: Silicon
Contacts: Phosphor Bronze, Gold plated
Solder Tails: Phosphor Bronze, Tin Plate

APPLICATIONS:

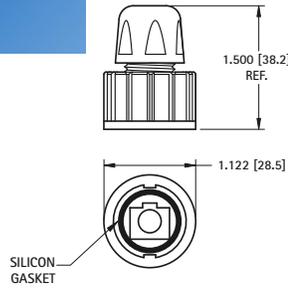
- Utility Grid
- Outdoor POS (point of Sale)
- Factory Wash down PLCs
- Marine Network connections



PLUG



Plug to be installed over standard 8P8C network cable.

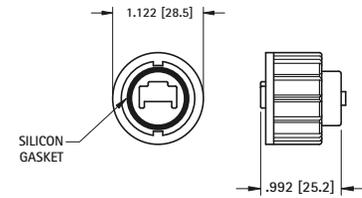


CAT. NO. 988P

SOCKET COVER



Cover to be used when socket is not in use to maintain IP68 rating.

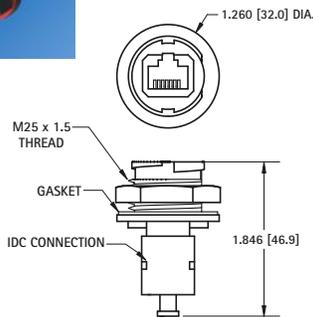


CAT. NO. 989C

IDC PANEL MOUNT SOCKET



Insulation Displacement Connector - Quick punch down wire connection. No need to strip wires before making connection.

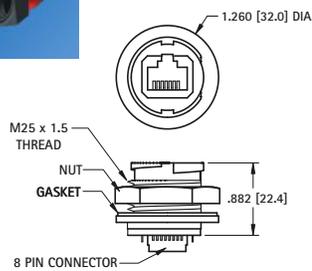


CAT. NO. 987

PANEL MOUNT SOCKET



Supplied with 8 pin connector on back side. Patch cable available: **Cat. No. 961H**



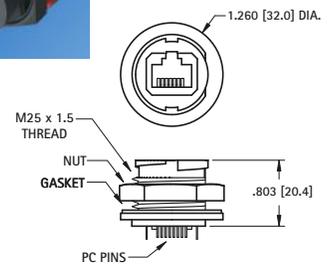
CAT. NO. 986 - Socket

CAT. NO. 961-H - Patch Cable

THM SOCKET



Tin Plated PC pins allow for direct connection of socket to PCB.



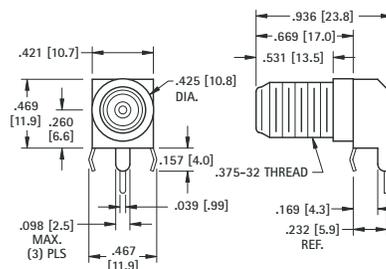
CAT. NO. 985

"F" FEMALE COAXIAL CONNECTOR

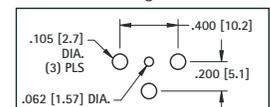


- Low profile
- Snap-fit mounting for positive retention during wave soldering
- Rugged, stable construction facilitates reliable mating
- High reliability, manufactured using Nickel Plated Brass bodies and Tin Plated Brass contacts

SNAP-FIT PC MOUNT



Mounting Detail



MATERIAL:

Shell: Steel, Tin Plate
Body: Brass, Nickel Plate
Contacts: Brass, Tin Plate

CAT. NO. 911

PC ETHERNET/NETWORK JACKS (RJ45 8P8C)

ELECTRICAL CHARACTERISTICS:

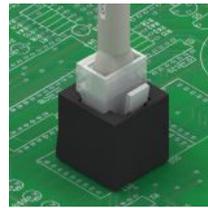
- Operating Voltage:** 125 VAC max.
- Current Rating:** 1.5 Amp max.
- Contact Resistance:** 35mΩ max.
- Insulation Resistance:** 1,000 MΩ min
- Dielectric Withstanding Voltage:** 1,000 VAC for 1 minute

MECHANICAL CHARACTERISTICS:

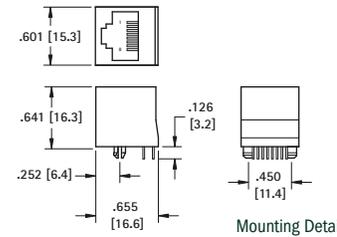
- Durability:** 500 Cycles
- Operating Temperature:** -40°F to 185°F (-40°C to 85°C)
- Packaging:** Anti-ESD plastic trays

APPLICATIONS:

- Network Equipment
- Modem
- Hub
- Switch
- Router
- Gateway
- Repeater
- Bridge
- PC motherboard
- Laptops & Notebooks



VERTICAL ENTRY

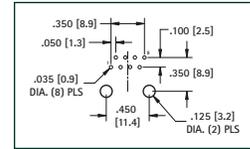


- Allows connector to board perpendicular to PC board

SOCKET SPECIFICATIONS:

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

CAT. NO. 949

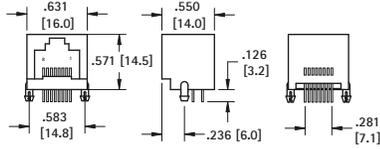


HORIZONTAL ENTRY

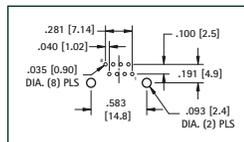
THM-COMPACT



- Small PC footprint ideal for high density applications



Mounting Detail



SOCKET SPECIFICATIONS

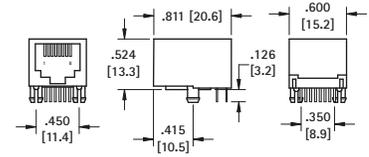
- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

CAT. NO. 942

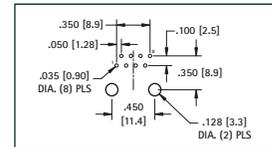
THM-EXTENDED



- Extra long connector extends past PC board for access to port thru case



Mounting Detail



SOCKET SPECIFICATIONS

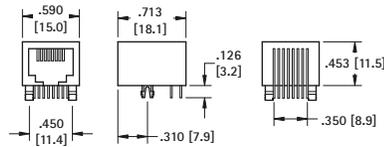
- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

CAT. NO. 948

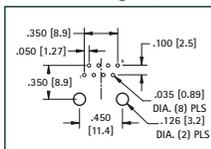
THM-LOW PROFILE



- Low Height ideal for compact designs



Mounting Detail



SOCKET SPECIFICATIONS:

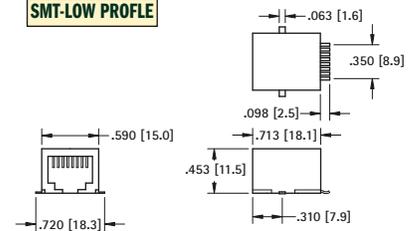
- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

CAT. NO. 943

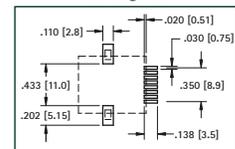
SMT-LOW PROFILE



- Low Height ideal for compact designs



Mounting Detail



SOCKET SPECIFICATIONS:

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Nickel Plate

CAT. NO. 944

KEYSTONE JACKS (RJ45 8P8C)



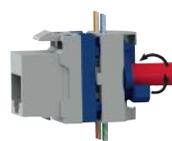
Front

Back

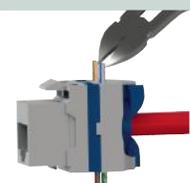
- Color Coded for easy assembly
- Toolless punch down design



- Strip approximately 1.5" of the cable jacket. Fold back shield/ground.
- Attach wires to cover following the color coding markings.*



- Align cover to module. Be sure to align polarity tab.

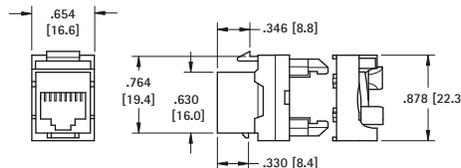


- Twist locking mechanism to punch down the wires and lock the cover onto the module.
- Trim extra wire from housing. Ready to be installed into panel

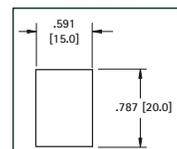
SOCKET SPECIFICATIONS:

- Body:** PC UL 94V-0
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- IDC Contacts:** Phosphor Bronze, Nickel Plate
- Accepts #24-26 AWG wire

CAT. NO. 946



Panel Cutout



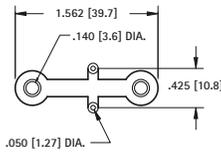
*Color coding for both T568A/T568B wiring schemes. Both ends of cable should match unless creating a crossover cable.

TRANSISTOR MOUNTS

Molded Transistor Mounts provide all of the necessary bushings and insulators to quickly mount power transistors.

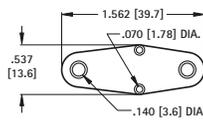


For TO-3 CASES



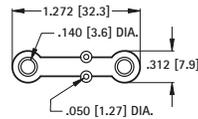
MATERIAL:
Nylon 6/6 - 94V-2
CAT. NO. 4616

HEAVY DUTY TO-3



MATERIAL:
Glass filled Polyester, UL Rated 94-V0
CAT. NO. 4626

For TO-66 CASES



MATERIAL:
Nylon 6/6 - 94V-2
CAT. NO. 4617

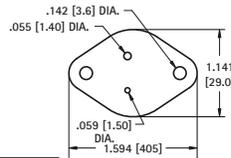
TRANSISTOR INSULATORS

Mica Insulators provide good thermal conductivity and superior electrical insulation.

SPECIFICATIONS:

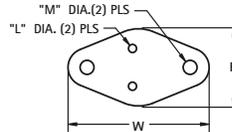
Material: .003 (.08) Natural Mica
Thermal Conductivity: .71 W/(m K)
Dielectric Constant: 7 @ 1000 Khz

FOR TO-3 CASES



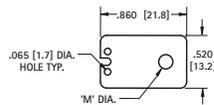
CAT. NO. 4662

FOR TO-3 CASES



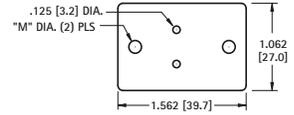
CAT. NO.	H	W	M Dia.	D Dia.
4651	1.093 (27.8)	1.625 (41.3)	.166 (4.2)	.093 (2.4)
4653	1.063 (27.0)	1.655 (42.1)	.166 (4.2)	.166 (4.2)
4636	1.063 (27.0)	1.655 (42.1)	.166 (4.2)	.052 (1.3)

FOR TO-220 CASE (3-PIN)



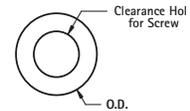
CAT. NO.	M	LEADS
4671	.141 (3.6)	2
4672	.141 (3.6)	3
4673	.115 (2.9)	3

FOR TO-3 CASES



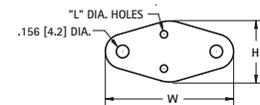
CAT. NO. 4661

FOR THREADED STUD TRANSISTORS



CAT. NO.	OD	Screw
4678	.375 (9.5)	4
4679	.375 (9.5)	6
4680	.500 (12.7)	8
4681	.625 (15.9)	10
4682	.750 (19.0)	1/4

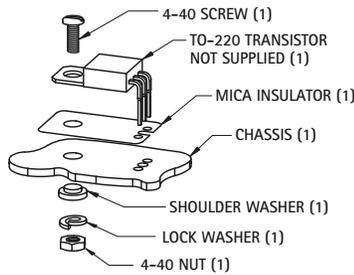
FOR TO-66 CASES



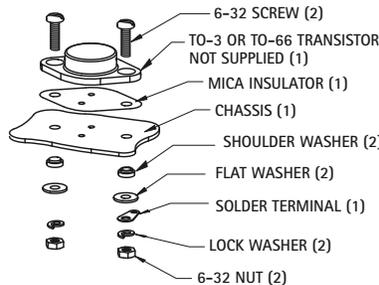
CAT. NO.	M	LEADS
4664	.750 (19.1)	1.500 (38.1)
4666	.780 (19.9)	1.375 (34.9)

TRANSISTOR MOUNTING KITS

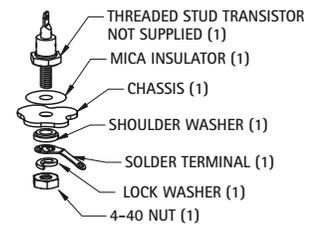
• Each kit provides everything needed to mount, isolate and connect to power transistors • Transistor not included • See diagrams below for complete list of items included



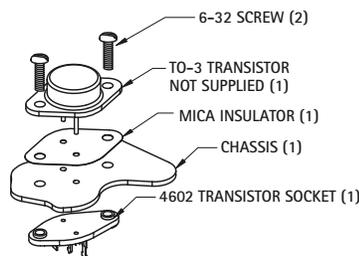
CAT. NO. 4724 - TO-220 Complete Mtg Kit



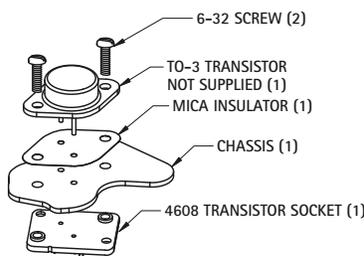
CAT. NO. 4725 - TO-3 Complete Mtg Kit
CAT. NO. 4726 - TO-66 Complete Mtg Kit



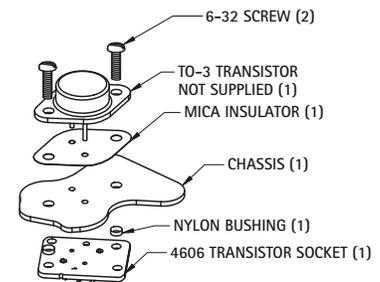
CAT. NO. 4729 - DO-4, TO-60, TO-62 Complete Mtg Kit
CAT. NO. 4730 - DO-5, TO-48, TO-61 Complete Mtg Kit



CAT. NO. 4732 - TO-3 Complete Mtg Kit



CAT. NO. 4733 - TO-3 Complete Mtg Kit



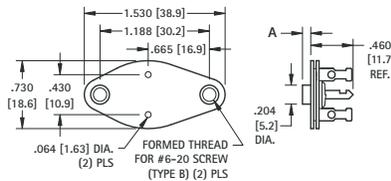
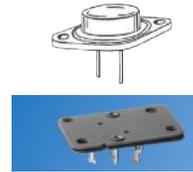
CAT. NO. 4734 - TO-3 Complete Mtg Kit

SOCKETS FOR TO-3 CASE

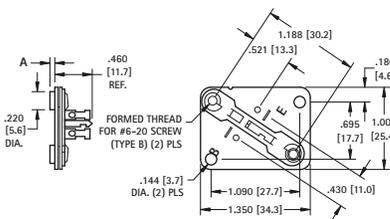
PANEL MOUNT



MATERIAL:
Base: Phenolic, Grade PBE, Type XP
Contacts: Brass, Tin Plate
Top Plate: Nylon, ASTM-D4066
 Phenolic, Grade PBE, Type XP
 (Cat. No. 4606 only)
Collector Plate: Steel, Tin Plate



CAT. NO.	A DIM.
4603	.030 (.76)
4602	.045 (1.14)
4601	.090 (2.29)

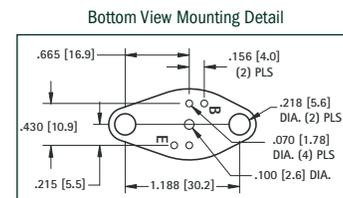
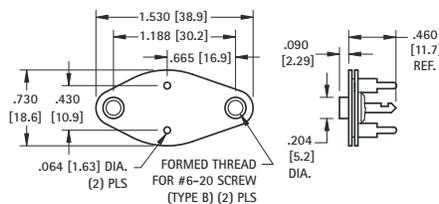


CAT. NO.	A DIM.
4606	NONE
4608	.045 (1.14)

PC MOUNT



MATERIAL:
Top Plate: Molded Nylon
Base: Phenolic
Contacts: Brass, Tin Plate
Collector Plate: Steel, Tin Plate

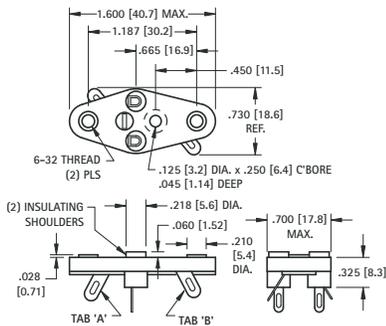


CAT. NO. 4600

HEAVY DUTY SOCKET FOR TO-3 CASE

CHOICE OF SINGLE OR DUAL COLLECTOR SOLDER TABS

Features an all-in-one mounting plate and solder tabs, providing complete electrical isolation of the solder tab connections.
 Rated 5 Amps DC continuous and 15 Amps DC Intermittent



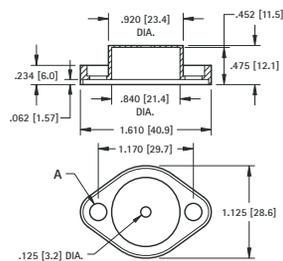
MATERIAL:
Base: PBT, UL Rated 94V-0
Contacts: Brass, Tin Plate
Collector Plate: Brass, Tin Plate

With transistor lead-in insulating shoulders	
CAT. NO.	WITH TAB
4513	"A" ONLY
4514	"A" & "B"

Less transistor lead-in insulating shoulders	
CAT. NO.	WITH TAB
4515	"A" ONLY
4516	"A" & "B"

NYLON TO-3 CASE COVERS

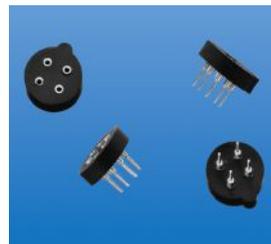
Molded nylon covers easily mount over and insulate the power transistor.
 Will withstand temperatures to approximately 250°F (121°C).



MATERIAL: Nylon 6/6, UL Rated 94V-2

CAT. NO.	FOR	EYELETS INSTALLED	A
4632	TO-3	NONE	.210 (5.3)
4634	TO-3	TWO	.140 (3.6)

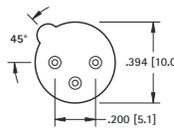
SOCKETS FOR TO-5 & TO-100



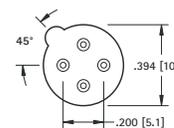
Fully molded compact construction. Speeds transistor assembly. Incorporates ultra high quality, closed entry, sleeve type contacts. Accepts .016 (.41) to .020 (.51) diameter leads or .010 (.25) x .018 (.46) rectangular transistor leads.

MATERIAL:
Insulator: Glass Filled Polyester, UL Rated 94V-0
Contact Pin: Brass, Tin-Lead Plate
RoHS (Non-RoHS Compliant)
Contact Spring: Beryllium Copper, .000030 min. Gold Plate

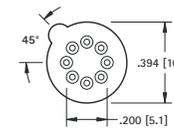
CAT. NO.	FOR	PINS
4590	TO-5	3
4591	TO-5	4
4592	TO-5	8
4593	TO-100	8
4594	TO-100	10



Cat. No. 4590



Cat. No. 4591



Cat. No. 4592

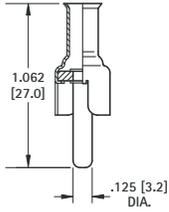
PHONO PLUGS

- Mates with .125 (3.2) diameter jacks

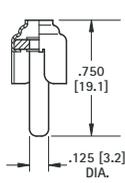
CONVENTIONAL TYPE

MATERIAL:

Shell: Brass, Nickel Plate
Pin: Brass, Nickel Plate



CAT. NO. 561 - Crimp Type



CAT. NO. 567 - Conventional Type

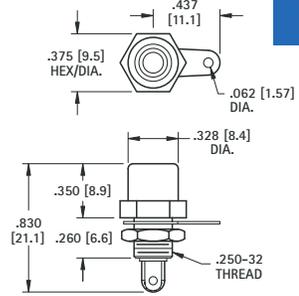
PANEL MOUNT PHONO JACKS

- Mates with .125 (3.2) dia. pin
- Mounts to panel in .296 (7.6) dia. hole
- Color coded for ease of identification
- Complete with nut and solder lug



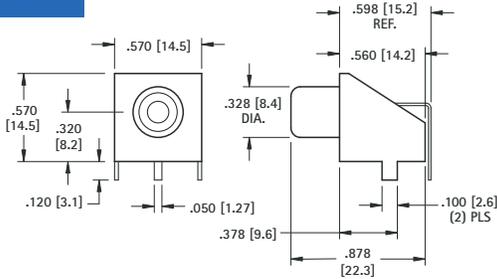
MATERIAL: Brass, Nickel Plate

HEX BASE CAT. NO.	INSULATOR COLOR	ROUND BASE CAT. NO.
581	WHITE	598
582	RED	580
576	BLACK	574
583	YELLOW	599



90° PC PHONO JACK

- Complete one piece jack for insertion into PC board
- Time Saving
- No Wiring Required
- Black insulator ring

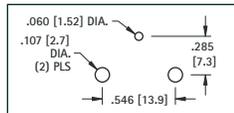


MATERIAL:

Base: Steel, Tin Plate
Shell: Steel, Nickel Plate
Contact: Brass, Tin Plate

CAT. NO. 902

Mounting Detail



SNAP-FIT 90° PC PHONO JACKS

CHOICE OF TIN OR GOLD PLATE

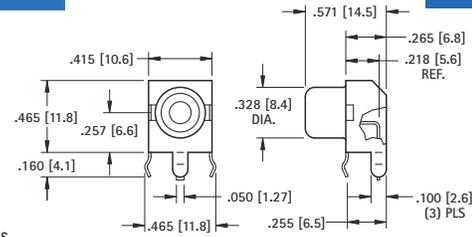
- Complete one piece jack for insertion into PC board
- Time Saving
- No Wiring Required
- Snap-fits into PC board



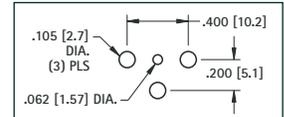
MATERIAL:

Shell: Steel
Contact: Brass
Plating: Tin or Gold Plate

TIN PLATE CAT. NO.	INSULATOR COLOR	GOLD PLATE CAT. NO.
587	WHITE	936
588	RED	937
901	BLACK	900
589	YELLOW	938



Mounting Detail



SNAP-FIT VERTICAL PC PHONO JACKS

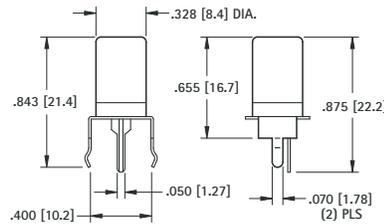
- Extra long, one piece shell to accept plugs with longer pins for greater contact
- Snaps into holes on PC board and firmly held for soldering
- No staking required



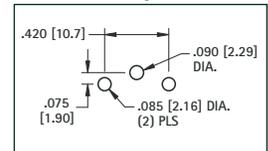
CAT. NO.	INSULATOR COLOR
584	WHITE
577	RED
585	BLACK
586	YELLOW

MATERIAL:

Shell: Steel, Nickel Plate
Contact: Brass, Tin Plate



Mounting Detail

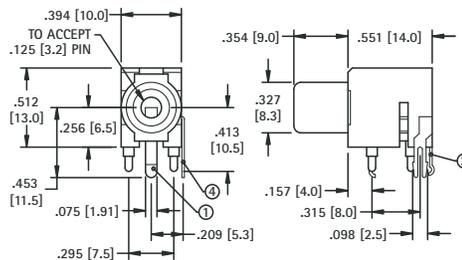


COLOR KEYED PC PHONO JACKS

- Mates with .125 (3.2) diameter pins
- Features a normally closed circuit
- Snap-fit mounting for positive retention during wave soldering
- Various colors for circuit identification



CAT. NO.	INSULATOR COLOR
970	WHITE
971	RED
972	BLACK
973	YELLOW



SCHEMATIC



SPECIFICATIONS

Housing: PBT
Ground Terminal: .020 (.51) Brass, Nickel Plate
Spring Contact: .012 (.30) Phosphor Bronze, Silver Plate
Shunt Terminal: .016 (.41) Brass, Silver Plate

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