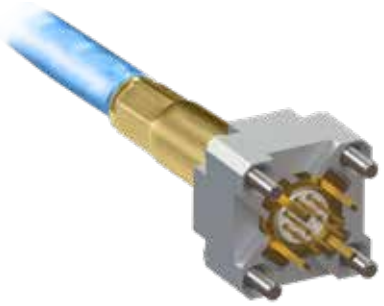
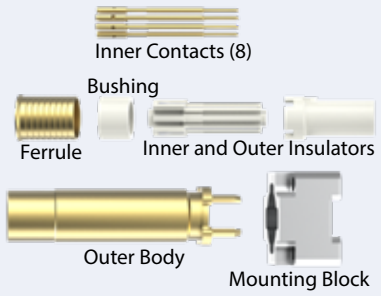
El Ochito® PCB Transition Adapters 858-025



Launch controlled-impedance signals with El Ochito® transition adapters. Supplied as unassembled kit with (8) inner contacts, inner and outer insulators, bushing, outer body, crimp ferrule and mounting block. Terminate inner contacts and cable shield with crimp tools sold separately. Attach mounting block to circuit board with #0-80 screws and 059-0007-1 threaded inserts, sold separately.

858-025 Components

Supplied as Unassembled Kit



Technical Data

Specifications

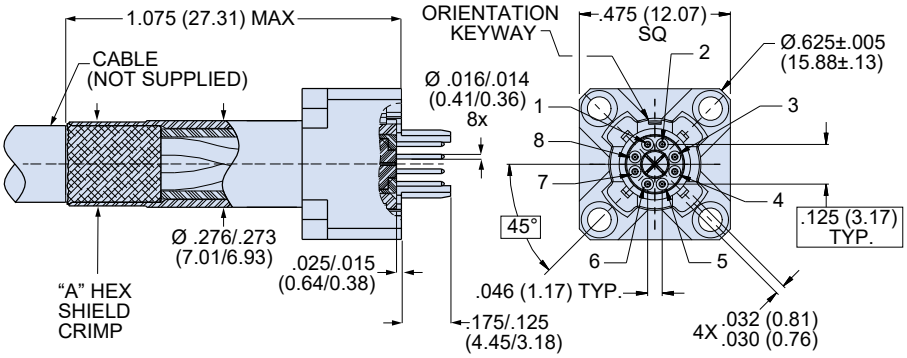
- **Operating temperature:** El Ochito®: -65 to +175°C
  Impedance:
  El Ochito® Red and White: 100 ohms
  El Ochito® Blue: 90 ohms
  Dielectric withstanding voltage: 500 Vrms
- **Current Rating:** 1.5 A
- **Insulation resistance:** 5000 megohms min. @ 200 Vdc

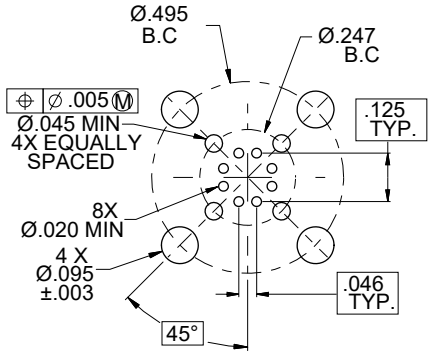
Construction

- **Inner contacts, outer body, ferrule:** copper alloy, 50 microinches gold over nickel plating
- **Insulators, bushing:** thermoplastic
- **Mounting block:** aluminum, electroless nickel plating

858-025 El Ochito® PCB Transition Adapters

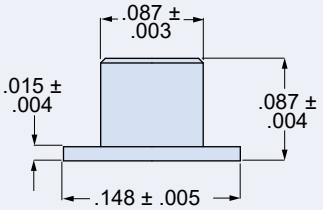
Dash No.	Color	Cables Accommodated	Protocols/Impedance	Ref Cable O.D.	"A" Hex	Assembly Instructions
-01	White	963-033-26	Cat 6A/10GbE (100 OHM)	.220 (5.59)	.231	AI85145-01
-02	Blue	963-110	USB 3.0 (90 OHM)	.237 (6.02)	.255	AI85146
-03	Red	963-122-X	up to 10Gbps per pair (100 OHM)	See Dwg	.231	AI85147
-04	White	963-132-26	Cat 8/40GbE (100 OHM)	.220 (5.59)	231	AI85145-02





RECOMMENDED PC BOARD LAYOUT

See Glenair application Note AN0002 for optimal performance



059-0007-1
RECOMMENDED THREADED PCB INSERT
#0-80 UNF-2B THREAD
TIN-PLATED BRASS
HAND SOLDER TO .095 ± .003 PTH

Inner Contact Crimp Tools

809-015
(M22520/2-01)

859-101
(K1906)

Shield-Ferrule Crimp Tools

809-129
(M22520/5-01)

858-186 for -02
859-007 for -01 & -03
(M22520/5-45)

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Dimensions in Inches (millimeters) are subject to change without notice.