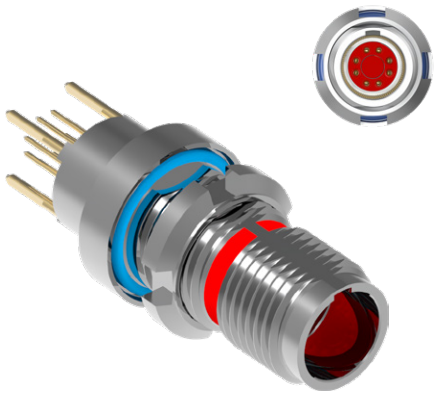
882-028 PC Tail, Panel Mount Receptacle, Threaded Coupling



100 ohm. Ultraminiature. High performance. PCB terminals.

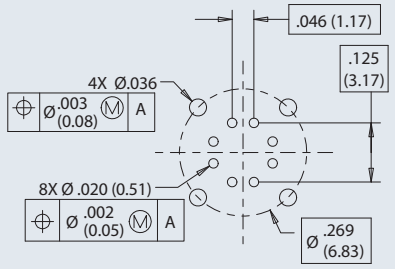
882-028 SuperFly Datalink receptacles have one El Ochito® octaxial contact, housing eight socket contacts. Attach to .100 (2.54) maximum thickness panel with spanner nut. PC tail contacts are gold plated or solder dipped in 63/37 tin-lead. Contacts are epoxy-sealed and are non-removable. Gold-plated EMI spring for low shell-to-shell resistance. Fluorosilicone O-rings for water-tight seal. ***Mates to 882-025.***

SIZE AND WEIGHT SAVING
- .455 (11.56) diameter

HIGH SPEED
- 10 Gbps per pair
- Low-dielectric insulators

HARSH ENVIRONMENT
- EMI protection
- Water ingress
- Shock and vibration

Recommended PC Board Layout

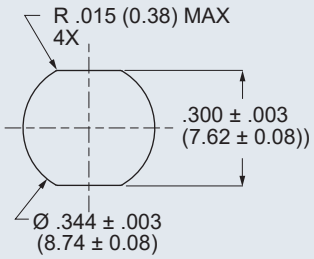


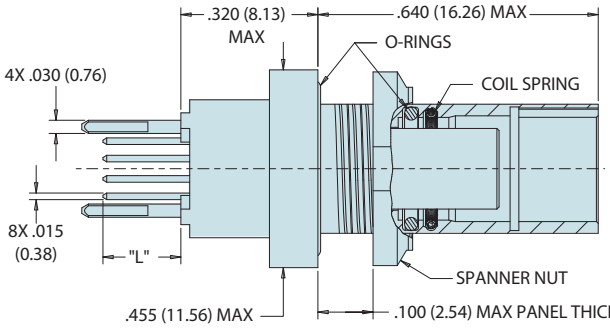
Connector Side
See AN0002 for optimal performance
(maintain Ø.036 on Ø .269 for ground pins)

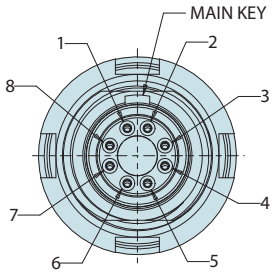
How To Order PC Tail, Panel Mount Receptacle

Sample Part Number	882-028	- Z2	S	-.080
Product	**882-028** = Panel Mount PC Tail Receptacle			
Shell Finish	**M** = Electroless Nickel (aluminum shell) **MT** = Nickel-PTFE (aluminum shell) **ZR** = Black Zinc-Nickel (aluminum shell) **Z2** = Gold (aluminum shell) **ZMT** = Nickel-PTFE (stainless steel shell)			
PC Tail Finish	**S** = Solder dip, 63/37 tin-lead **G** = Gold			
PC Tail Length	**.080** = .080" (2.03 mm.) **.125** = .125" (3.18 mm.) **.175** = .175" (4.45 mm.) **.200** = 200" (5.08 mm.)			

Recommended Panel Cutout







CONTACT POSITION
(NOT MARKED ON PART)

Specifications

- **Operating temp.**: -65° to +175°C
- **Impedance**: 100 ohms
- **DWV:** 500 Vrms unmated
- **Current Rating**: 1.5 A
- **IR**: 1000 MΩ min.
- **Durability**: 2000 mating cycles
- **Ingress protection:** IP67

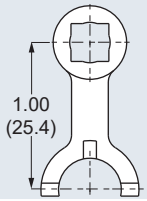
Construction

- **Shell, jam-nut**: aluminum alloy or SST
- **Insulators**: state low-dielectric material
- **Contacts**: copper alloy, 50 microinches gold over nickel plating
- **O-rings**: fluorosilicone
- **EMI spring:** stainless steel, gold plated
- **Potting:** epoxy

Spanner Nut Tightening Tool

Nickel-plated tool steel,¼" sq. drive
13 - 18 in.-lbs. recommended torque

600-202-E



El Ochito® Red