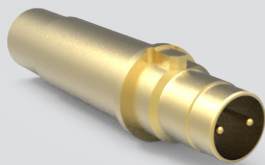


ENVIRONMENTAL, MICRO MINIATURE CIRCULAR

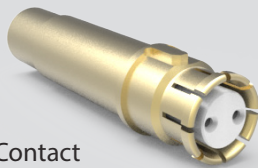
Series 806

Mil-Aero Connectors

Size 8 Differential Twinax Pin and Socket Contacts



Pin Contact



Socket Contact

Specifications

- Operating temperature: -65°C to +200°C
- Differential Impedance: Designed to have the nominal impedance for cables listed in Table I
- Dielectric withstanding voltage:
 - Between inner contacts: 1000 VRMS
 - Between inner contacts and body: 500 VRMS
- Insulation resistance: 5000 megohms min at 200 VDC

Construction

- Contact Cody: Copper alloy / gold plated
- Inner Contact: Copper alloy / gold plated
- Crimp Ferrule: Brass or equivalent / gold plated
- Insulator: High grade rigid dielectric

Termination Tools

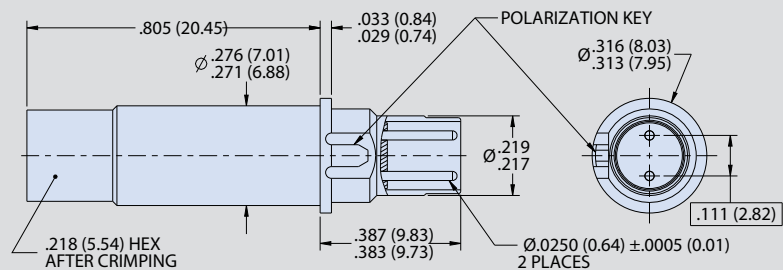
- Dash No. -1 thru -13:
- Inner contact crimp tool: M22520/2-01
- Inner contact positioner: M22520/2-37
- Outer contact crimp tool: M22520/5-01
- Outer contact die-set: M22520/5-45

Twinax Contacts. Shielded contacts protect against disruptive radio signals from unshielded sources including magnetic and electrostatic interference. Data rate exceeds 2 Gbps and provides DC – 3 GHz frequency range suitable for High-Speed applications such as Fibre Channel, Ethernet 100 Base-T, 1394b Firewire, and Gigabit Ethernet.

Part Number and Cable Accommodation					
PART NUMBER		CABLES ACCOMMODATED	AWG	REF CABLE IMPEDANCE	ASSEMBLY INSTRUCTIONS
PIN	SOCKET				
853-076-01-F	853-075-01-F	GORE RCN 8945	24	100 OHMS	AI850007
853-076-02-F	853-075-02-F	GSC-03-83971-00	24	100 OHMS	AI850007
853-076-03-F	853-075-03-F	RAYCHEM 10612	24	77 OHMS	AI850007
853-076-04-F	853-075-04-F	RAYCHEM 0024A0024	24	100 OHMS	AI850007
853-076-04-F	853-075-04-F	TENSOLITE 24463/9P025X-2 (LD)S280W502-1	24	100 OHMS	AI850007
853-076-05-F	853-075-05-F	M17/176-00002	24	77 OHMS	AI850007
853-076-05-F	853-075-05-F	5M2022-003	24	75 OHMS	AI850007
853-076-06-F	853-075-06-F	BELDEN 1350SB	24	100 OHMS	AI85029
853-076-07-F	853-075-07-F	TE 2525B0524	24	125 OHMS	AI85050
853-076-08-F	853-075-08-F	CICOIL CLSPEC-1 OR EQUIV	28	100 OHMS	AI85079
853-076-09-F	853-075-09-F	GORE DXN2603 / TE 0028S2664	26/28	100 OHMS	AI85007
853-076-10-F	853-075-10-F	PIC E10222	22	100 OHMS	AI85138
853-076-11-F	853-075-11-F	963-102-30	30	100 OHMS	AI85142
853-076-12-F	853-075-12-F	GORE GSC-05-84308-00	26	100 OHMS	AI85143
853-076-13-F	853-075-13-F	GORE DXN2602	24	100 OHMS	AI85007

Grommet follower (F) optional; omit if not needed

Pin Contact 853-076



Socket Contact 853-075

