

SERIES 28 HiPer-D® Contacts and Tools



75 ohm coaxial contacts

75 OHM COAX CONTACTS



Fig. 1
Pin Contact
852-086

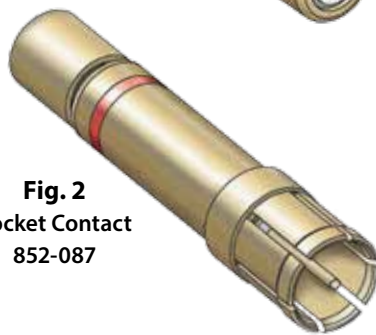


Fig. 2
Socket Contact
852-087

Material and Finish

Contact and Crimp Sleeve: Copper alloy, 50 microinches gold over nickel.

Dielectric: Fluoropolymer

Sealing Boot: Thermoplastic and Fluorosilicone

Specifications

Impedance: 75 ohms

Frequency: DC – 3GHz

Current Rating: 3 amps maximum

Contact Resistance: 10 milliohms

Temperature Range: -65° to + 200° C.

Dielectric Withstanding Voltage: 1000 VAC

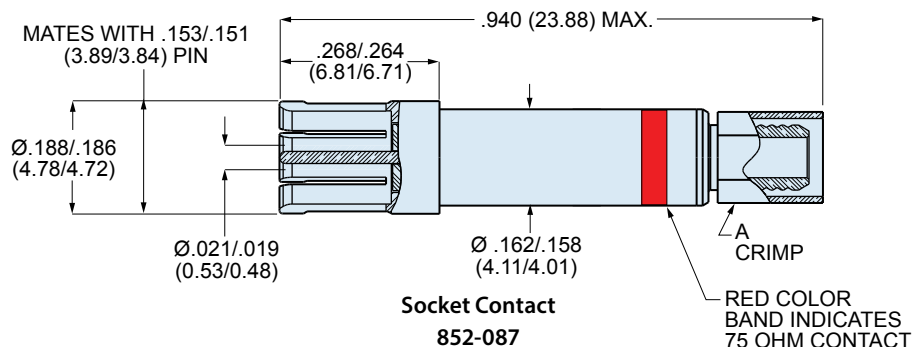
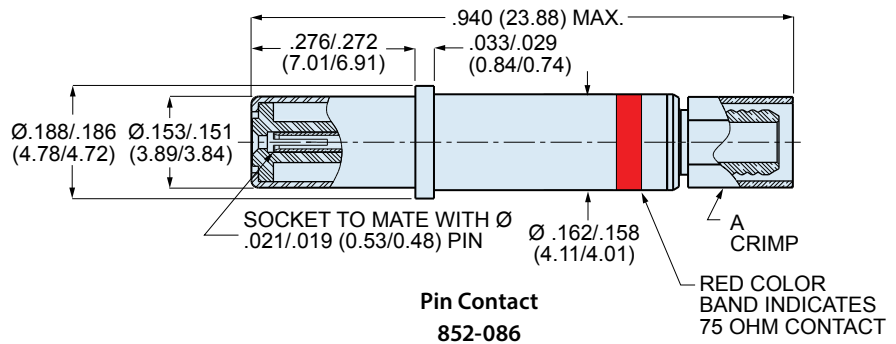
Insulation Resistance: 5 gigohms

Insertion/Extraction Tool

Part Number
809-132
(M81969/14-04)

These coax contacts snap into Glenair combo HiPer-D® size #8 cavities and can be removed with a plastic extraction tool. Crimp termination. 75 ohm nominal impedance, DC - 3GHz frequency range. Use with RG179 coax cable or high bandwidth PIC cable for RS170 or SMPTE 292M video. Gold plated copper alloy, fluoropolymer dielectric. 1000 VAC DWV rating, 3 amp current rating. Optional sealing boot prevents moisture ingress. *These contacts are designed for use only with Glenair Combo HiPer-D® connectors and cannot be installed in other connectors.*

Fig.	Contact Type	Cable Accommodation	Part Number Contact Only	Part Number Contact and Sealing Boot	A Crimp Size	
					In.	mm.
1	Pin	M17/964-RG179	852-086-01	852-086-01F	.128 Hex	3.25 Hex
		PIC™ V75268, V76261, V73263	852-086-02	852-086-02F	Ø .156	Ø 3.96
2	Socket	M17/964-RG179	852-087-01	852-087-01F	.128 Hex	3.25 Hex
		PIC™ V75268, V76261, V73263	852-087-02	852-087-02F	Ø .156	Ø 3.96



TOOLING INFORMATION FOR 75 OHM CONTACTS

Part Number	Type	Inner Contact Tooling		Shield Crimp Sleeve Tooling	
		Crimp Tool	Positioner	Crimp Tool	Positioner
852-086-01	PIN	809-015	859-098	809-129	809-130
852-086-02	PIN			809-133	859-100
852-087-01	SOCKET	(M22520/2-01)		809-129	809-130
852-087-02	SOCKET			809-133	859-100

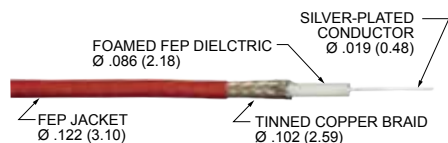
SERIES 28 HiPer-D® Contacts and Tools



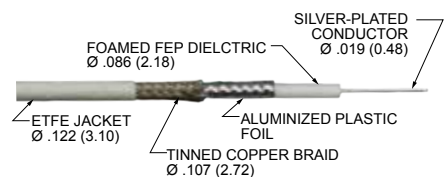
75 ohm high performance coaxial cable

75 OHM HIGH PERFORMANCE COAXIAL CABLE

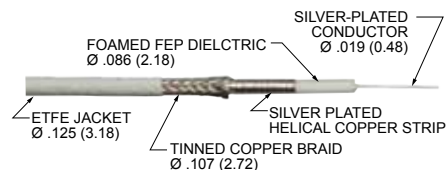
PIC™ brand video cable is specially designed and manufactured for reliable performance in aircraft systems and other harsh environments involving high temperature, EMI and corrosive materials. Improved strength, lower attenuation and better shielding compared with M17/94-RG179. Silver-plated conductor, foamed FEP dielectric, tinned copper braid, FEP or ETFE jacket. Skydrol resistant, RoHS compliant, meets FAA FAR Parts 23 and 25, Appendix F flammability, complies with MIL-DTL-17.



1 75 ohm coaxial cable for RS170 video applications. 50 dB shielding effectiveness. Tinned copper braid shield. Red FEP jacket.



2 75 ohm coaxial cable for RS170 video applications. 90 dB shielding effectiveness. 100% coverage aluminumized plastic foil under tinned copper braid shield. ETFE jacket, white.



3 75 ohm coaxial cable for SMPTE 292M video applications. 110 dB shielding effectiveness. 100% coverage helical copper strip under tinned copper braid shield. ETFE jacket, white.

	Cable 1		Cable 2		Cable 3	
Glenair Part No.	960-130		960-131		960-132	
Ref. PIC™ Part No.	V75268		V76261		V73263	
Impedance (ohms)	75		75		75	
Shielding Effectiveness (dB)	50		90		110	
Video Application	RS170		RS170		SMPTE 292M	
First Shield	Tinned copper braid, 95% coverage					
Second Shield	None		Aluminized film, 100% coverage		Silver plated helical copper strip, 100%	
Temperature Rating	-55° to +150° C		-55° to +150° C		-55° to +150° C	
Minimum Bend Radius	0.6 in. (15mm.)		0.6 in. (15mm.)		0.65 in. (16.5mm.)	
Weight (lbs/100 ft.)	1.2 lbs		1.1 lbs		1.5 lbs	
Capacitance (pF/ft)	16.0		16.0		16.0	
Velocity of Propagation %	80		80		80	
Time Delay	1.28		1.28		1.28	
Attenuation (dB/100 ft)	Nominal	Max	Nominal	Max	Nominal	Max
1 MHz	0.51	0.55	0.49	0.52	0.43	0.58
10 MHz	1.70	1.77	1.6	1.71	1.4	1.6
100 MHz	5.3	5.7	5.1	5.5	4.5	5.0
400 MHz	11.1	11.8	10.6	11.3	9.6	10.6
1.45 GHz	23.0	24.6	21.9	23.4	20.0	22.0
3 GHz	35.0	37.4	33.7	36.1	30.9	34.0