

Type C Coax, Standard DIN Contacts (Continued)

DIN 41626 Performance Level II

Material and Finish

Brass per ASTM-B-16
 Beryllium Copper per ASTM-B-194 and ASTM-B-196
 Phos Bronze per ASTM-B-103
 PTFE per ASTM-D-171C
 Nickel Plate per QQ-N-290
 Gold Plate per MIL-G-45204
 Tin-lead plate per ASTM-B-545 and MIL-T-10727
 Poly-methylpentene (TPX)

The following performance requirements are for Level II of the DIN 41626 specification

Performance Characteristics

Frequency Range —
 50 Ohm: 0-10 GHz
 75 Ohm: 0-5 GHz

Operating Voltage, Max — 275 VAC RMS @ Sea Level

Termination Resistance, Max —
 Center Contact: 10 milliohms
 Outer Contact: 3 milliohms

Insulation Resistance, Min — 200 megaohms @ 500 VDC

Dielectric Withstanding Voltage —
 750 VAC RMS @ Sea Level

VSWR (Pin/Socket) —
 50 Ohm: 1.1 @ .035 f (GHz)
 75 Ohm: 1.03 @ .02 f (GHz)

Durability — 250 Cycles

Mating Force, Max — 10 N (2.25 lbs)

Unmating Force, Min — 0.5 N (2 oz)

Withdrawal Force (w/gage) —
 Center Contact: 0.2 N (0.7 oz)
 Outer Contact: 0.7 N (2.5 oz)

Contact Retention (Eurocard Housing), Min — 100 N (22.5 lbs)

Operating Temperature:
 255°C to 1125°C

Thermal Shock:
 255°C to 1125°C per MIL-STD-1344, Method 1003, Cond A

Steady State Humidity:
 58 days @ 140°C per MIL-STD-1344, Method 1002, Type II, Cond E

Industrial Atmosphere (SO₂):
 25 parts/million @ 125°C,
 /5% RH for 21 days

Crimp Tensile:
 RG316: 20 N (4.5 lbs) min
 RG179: 20 N (4.5 lbs) min
 RG142: 50 N (11.25 lbs) min

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Tooling for Crimp Style and PCB Contacts

Part Number	Contacts			Center Contact Crimp			Ferrule Crimp			
	Rating (ohms)	Type	Cable	Daniels		AMP	Daniels		AMP	
				Hand Tool	Positioner	Hand Tool	Hand Tool	Die Set	Hand Tool Pro Crimper II	Die Set
148253-1	75	Pin	RG179	AFM8	K1220	601966-1	HX4	Y196	354940-1	58483-1
148253-2	75	Pin	RD179	AFM8	K1220	601966-1	HX4	Y138	354940-1	58483-1
148254-1	75	Socket	RG179	AFM8	K1219	601966-1	HX4	Y196	354940-1	58483-1
148254-2	75	Socket	RD179	AFM8	K1219	601966-1	HX4	Y138	354940-1	58483-1
148340-1	50	Pin	RG316	AFM8	K1222	601966-1	HX4	Y196	354940-1	58483-1
148340-2	50	Pin	RD316	AFM8	K1222	601966-1	HX4	Y138	354940-1	58483-1
148340-3	50	Pin	RG316*	AFM8	K1222	601966-1	HX4	Y196	354940-1	58483-1
148340-4	50	Pin	RG142	AF8	TP1207	601967-1	HX4	Y197	354940-1	58436-1
148338-1	50	Socket	RG316	AFM8	K1221	601966-1	HX4	Y196	354940-1	58483-1
148338-2	50	Socket	RD316	AFM8	K1221	601966-1	HX4	Y138	354940-1	58483-1
148338-3	50	Socket	RG316*	AFM8	K1221	601966-1	HX4	Y196	354940-1	58483-1
148338-4	50	Socket	RG142	AF8	TP1207	601967-1	HX4	Y197	354940-1	58436-1
148338-5	50	Socket	Times LMR200	AF8	TP1207	601967-1	HX4	Y197	354940-1	58436-1
148342-1	50	Rt. Ang Pin	RG316	N/A	N/A	N/A	HX4	Y196	354940-1	58483-1

*A 12mm long ferrule is utilized in this product

Part Number	Rating (ohms)	Type	Housing Type	Application Tooling
148346-1	50	Rt Angle PCB Socket, Solder	Right Angle Eurocard Pin Assembly	None
148347-1	50	Rt Angle PCB Pin, Solder	2mm HM Female	None
148348-1	50	Vertical PCB Pin, Compliant	Vertical Eurocard Receptacle Assembly	148469-1,-2,-3,-4
148385-1	50	Vertical PCB Socket, Compliant	2mm HM Male	904800-1
148386-1	50	Rt Angle PCB Pin, Compliant	2mm HM Female	904805-1 904804-1 Support Anvil
148387-1	50	Vertical PCB Pin, Solder	Vertical Eurocard Receptacle Assembly	None