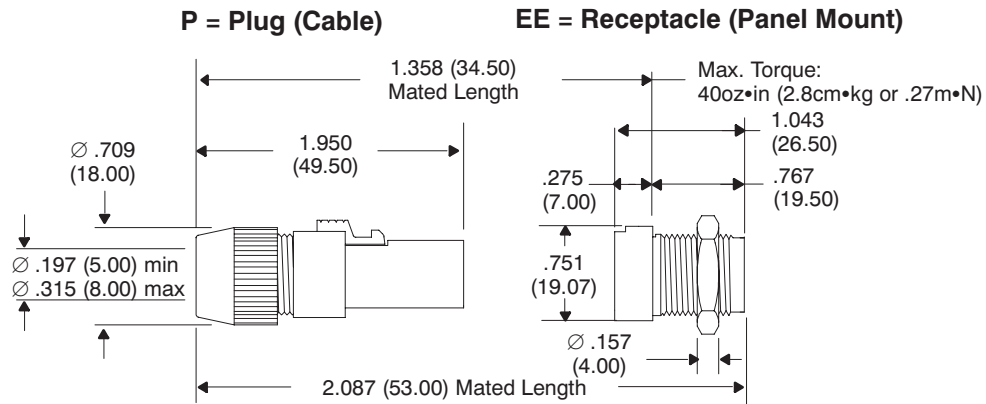




ARINC 628 CIRCULAR CONNECTORS

- Industry standard.
- 2 Power and 2 signal contacts
- Optional 5 signal positions.
- Quick disconnect push button release.
- Alignment and keying provided by housing.
- Crimp contacts.

CONNECTOR DIMENSIONS¹



General Specifications

Contacts	Power	Signal
Number	2	2
Diameter	.059 (1.5)	.018 (0.5)
Current Rating (amps)	8	2.5
Wire Size (AWG)	16-20	22-26
Contact Resistance	<2.0 milliohms	<8.0 milliohms
Extraction Force	1.8 to 5.4 oz.	.0.3 to 1.6 oz.
Material		
Receptacle	Polycarbonate	
Plug	Polycarbonate	
Flamability	UL94V0	
Contact Plating		
Male Pins:	G = 10 μ in gold (min) over Ni H = 50 μ in gold (min) over Ni	
Female Sockets:	AH = 50 μ in gold (min) over Ni on mating surface, gold flash over Ni on termination	
Contact Material		
Pins	Brass	
Sockets	BeCu Wires and Brass body	
Temperature Rating	-40°C to + 85°C	
Insulation Resistance	>10 Mohm @ 500 Vdc	

Notes:

- 1) Dimensions in inches (mm)
- 2) This connector is designed to disconnect with a pull out force less than the standard D02 Series.

**Typical Application Wiring
(Connectors Are Not Shipped Pre-Wired)**

In-Seat Power Interfaces

MOUNTING DIMENSIONS

Mounting Plate Material	Max. Recommended Thickness to Use Hole Punch
Steel	0.062 (1.60)
Other	0.094 (2.40)

Receptacle Contact Assignments²

1	NOT USED
2	NOT USED
3	NOT USED
4	NOT USED
5	NOT USED
6	OUTPUT ENABLE
7	OUTPUT ENABLE RTN
8	OUTPUT POWER (+)
9	OUTPUT POWER RTN (-)



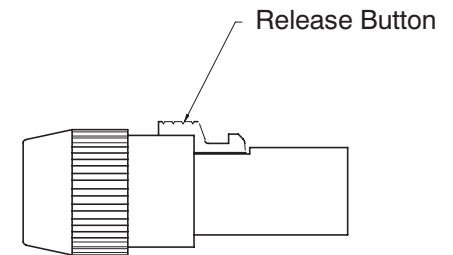
Receptacle Viewed from the Mating Side

Power contact in position 8 and 9 only.
Signal contacts in positions 6 and 7 only.

Replacement Contacts

	Power	Signal
Pin	YPN015-038G YPN015-038H	YPN005-049G YPN005-049H
Socket	YSK015-053AH	YSK005-036AH

Power or Adapter Cable Plug



Accessories

	Power	Signal
Crimp Tool	AF8	AFM8
Positioner (Pin)	T1165	T870
Positioner (Socket)	TP688	T870
Removal Tool	T1124	-
Insertion Tool	-	T1215



Plug Contact Assignments²

1	Not used
2	Not used
3	Not used
4	Not used
5	Not used
6	Output Enable
7	Output Enable RTN
8	Output Power (+)
9	Output Power RTN (-)

— To PED or DC Voltage Adapter

Ordering Information

Male Plug	Plating
D02PBMRT-0024	10µin gold (min) over Ni
D02PBMRTH-0025	50µin gold (min) over Ni
Female Receptacle	
D02EEBFRTAH-0022	50µin gold (min) over Ni on mating surface, & gold flash over Ni on socket bodies

Notes:

- Dimensions are inches (mm).
- Connectors are not shipped prewired.