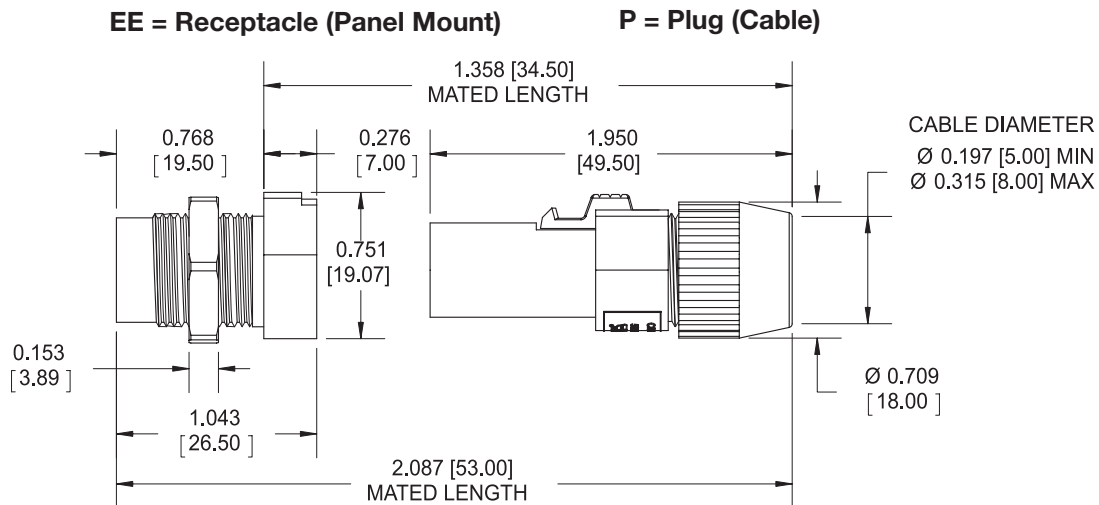




ARINC 628 Circular Connectors

- 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

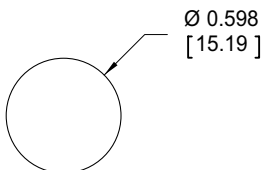
Connector Dimensions



General Specifications		
Contacts	Power	Signal
Number of Contacts	2	2
Diameter	0.059 [1.50]	0.018 [0.50]
Current Rating (Amps)	8	2.50
Wire Size (AWG)	16 – 20	22 – 26
Contact Resistance	< 2.0 milliohms	< 8.0 milliohms
Insertion / Extraction Force Per Contact	1.8 to 5.4 oz.	0.3 to 1.6 oz.
Insulator Material Receptacle Plug	Polycarbonate Polycarbonate	
Flammability	UL94V0	
Contact Plating Male Pins Female Sockets	G = 10µin gold (min) over nickel H = 50µin gold (min) over nickel AH = 50µin gold (min) over nickel on mating surface, gold flash over nickel on termination	
Contact Material Pins Sockets	Brass Beryllium copper wires and brass body	
Temperature Rating Insulation Resistance	-40° C to 85° C > 10 Mohm at 500 VDC	

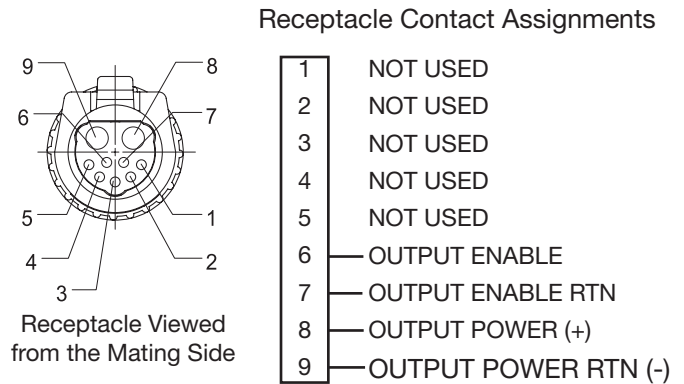
Dimensions are in inches [mm]

Mounting Dimensions



Mounting Plate Material	Maximum Recommended Thickness to Use Hole Punch
Steel	0.062 [1.60]
Other	0.094 [2.40]

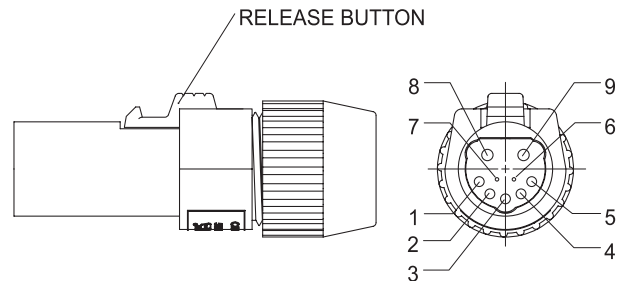
Typical Application Wiring (Connectors Are Not Shipped Pre-Wired) In-Seat Power Interfaces



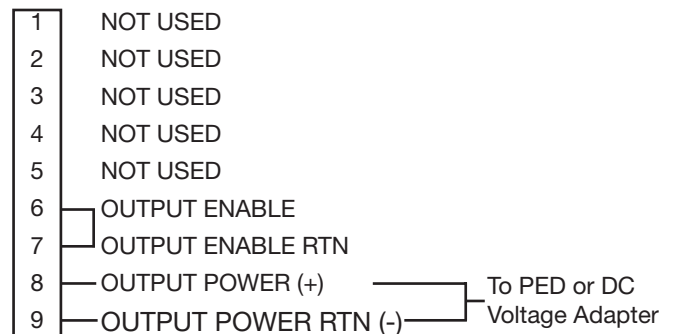
Power contact in position 8 and 9 only.
Signal contacts in positions 6 and 7 only.

Replacement Contacts		
	Power	Signal
Pin	YPN015-038G or H	YPN015-038G or H
Socket	YSK015-053AH	YSK005-036AH

Power or Adapter Cable Plug



Plug Contact Assignments



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

Ordering Information

Male Plug	Plating
D02PBMRT-0024	10µin gold (min) over nickel
D02PBMRT-0025	50µin gold (min) over nickel
Female Receptacle	
D02EEBFRTAH-0022	50µin gold (min) over nickel on mating surface, and gold flash over nickel on socket bodies
Cable Mount Female Receptacle	
D02-0130	50µin gold (min) over nickel on mating surface, and gold flash over nickel on socket bodies

NOTE:
1) Connectors are not shipped pre-wired.

Dimensions are in inches [mm]