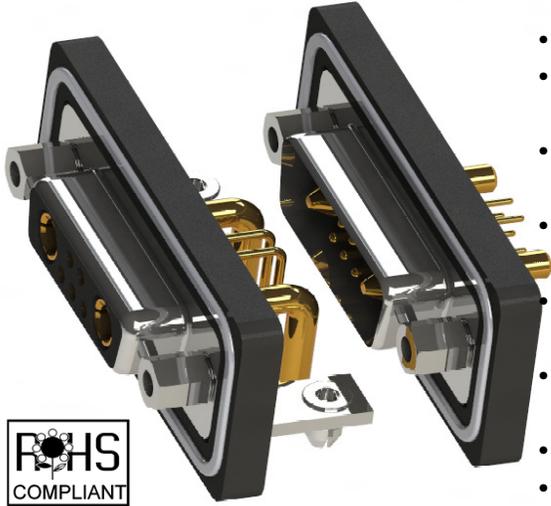




SERIES 627/628 (7W) WATERPROOF D-SUB



Plug and Receptacle , 7W Power Combination



- .109"(2.77mm) Contact Spacing x .112"(2.82mm) Row Spacing
- Plug and Receptacle in 5 Contact Pin Sizes and 2 Power Contact Pin Sizes (7W)
- Pin Contact Mating Design with P.C. Tail Termination in Right Angle, Straight or Solder Cup Termination
- Plug Shell Indents Provide Grounding and Additional Mating Retention
- Grounding Feature include Two Prong Boardlock for Exceptional Retention to P.C. Board
- Mounting Options for Panel Mount or Connector Mating include Threaded Inserts or Threaded Standoffs
- D-Shaped Connector Mating Outline provides Polarization
- Degree of Protection: IP67 as per IEC60529

Specifications:

| | |
|-----------------------|--|
| Insulator Material | PBT Thermoplastic with 30% Glass Filled, UL 94V-0 Rated, Black color |
| Contact Material | Pins and Sockets: Copper Alloy |
| Contact Plating | Gold Plating over Nickel underplating |
| Shell Material | Nickel Plated Steel |
| Epoxy Sealant | Epoxy |
| O-Ring | Silicone |
| Signal Current Rating | 5A Per Contact |
| Power Current Rating | 40A Per Contact Max |
| Contact Resistance | 10 Milliohms MAX |
| Insulation Resistance | 5000 Megohms MIN |
| Dielectric Voltage | 1000V AC rms at Sea Level |
| Operating Temp. | -25°C To +85°C |

Ordering Code:

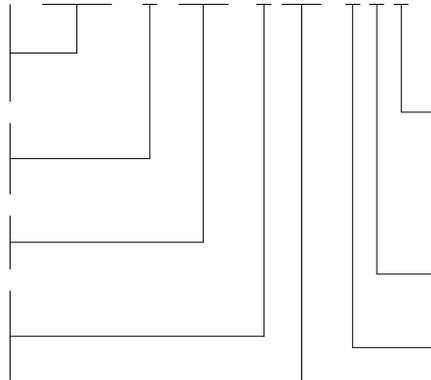
627-W7W-220-012

SERIES:
 PLUG, Vertical PCB Mount, Standard Size 627
 Receptacle, Vertical PCB Mount, Standard Size 628
 Receptacle, Right Angle, 10.3 [0.406] Standard Footprint 630

CROSS / REF:
 EDAC CODE
 WATERPROOF W

NO. OF CONTACTS:
 7 PIN WITH TWO POWER CONTACT - 7W2 7W

CONTACT PLATING
 Gold Flash Plating over Nickel 2
 15 µIN of Gold Plating over Nickel 3
 30 µIN of Gold Plating over Nickel 6



MOUNTING OPTION:
 2 #4-40 UNC THREADED HOLE
 3 RIVETED #4-40 UNC BOARDLOCKS
 (Only for Vertical DIP version)
 4 BRACKET #4-40 UNC WITH BOARDLOCKS
 (Only for Right Angle version)

NOTE: ALL CONNECTORS ARE SHIPPED WITH #4-40 UNC HEXAGON SCREWS (Packed Separately)

SHELL OPTIONS:
 1 NICKEL PLATED

INSULATOR COLOR:
 0 BLACK

CONTACT CODE:
 20 PC TAIL FOR STANDARD D-SUB
 22 SOLDER CUP TERMINATION
 40 RIGHT ANGLE TAIL,
 10.3 [0.405] FOOTPRINT (9.4 NODE)