



**SUGGESTED CUTOUT: FLUSH-MOUNT APPLICATION**

**METAL**

**PLASTIC**

PIN ASSIGNMENTS	T568B	T568A	
	1	WHITE/ORANGE	WHITE/GREEN
	2	ORANGE	GREEN
	3	WHITE/GREEN	WHITE/ORANGE
	4	BLUE	BLUE
	5	WHITE/BLUE	WHITE/BLUE
	6	GREEN	ORANGE
	7	WHITE/BROWN	WHITE/BROWN
	8	BROWN	BROWN

**MATERIAL**

Housing: High-impact Acrylonitrile Butadiene Styrene (ABS resin), UL 94 V-0 rated  
 Jack Contacts: 5100W spring temper phosphor bronze round wire, Ø= 0.018 in (0.45 mm), plated with 50 µin (1.27 µm) minimum thick hard gold over 100 µin (2.54 µm) minimum thick nickel underplate  
 PCB: FR4, UL 94 V-0 rated  
 IDC Terminals: C5191R-H phosphorous bronze, t=0.016 in (0.4 mm), plated with 200 µin (5.08 µm) minimum thick tin over 50 µin (1.27 µm) minimum thick nickel underplate  
 IDC Block: High-impact Polycarbonate (PC resin), UL 94 V-0 rated  
 RoHS compliant

**WIRE RANGE**

Conductor Diameters: 0.020 in (0.51 mm) 24 AWG - 0.025 in (0.64 mm) 22 AWG  
 Insulation Diameters: 0.032 in (0.8 mm) - 0.039 in (1.0 mm)  
 Cable Diameters: 0.197 in (5 mm) - 0.354 in (9 mm)

**PERFORMANCE**

Rating: TIA-568-C.2 Category 5e  
 MHz Support: 1-100 MHz  
 Compliant: TIA-568-C.2 Cat.5e Channel performance  
 Bandwidth Support: 10/100/1000 Mbps



DRAWN BY Autumn Lee				
APPROVED BY Jerry Su				
DIMENSIONS ARE [IN (MM)]				
TOLERANCES:				
~0.8"	~2"	~6"	6"~	ANGLE
±0.007"	±0.015"	±0.02"	±0.06"	2°
3rd Angle Projection				

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TITLE  
**GigaBase 2 Universal Jack  
 Category 5e, Red**

PARTS NO. FMT927-R2	REV. 1
DATE 2010/12/07	SCALE X
SHEET 1/1	