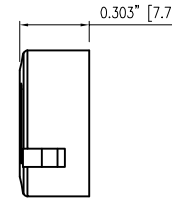
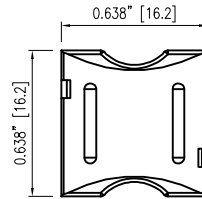
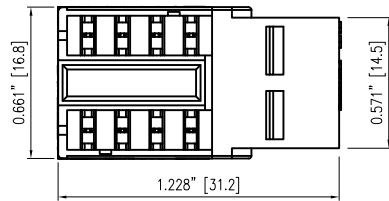
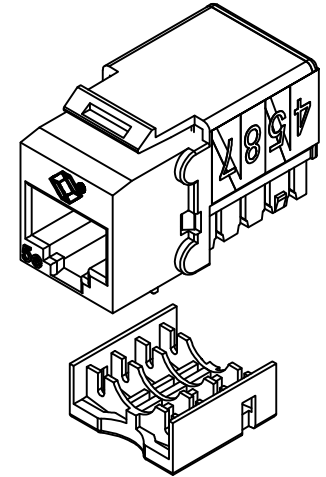
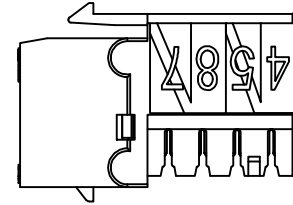
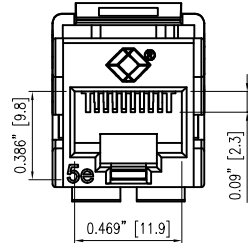
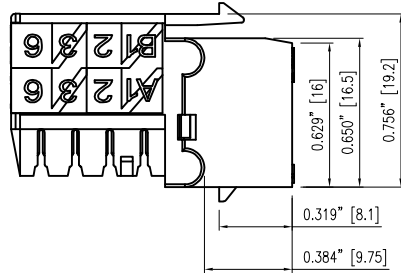
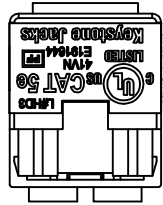
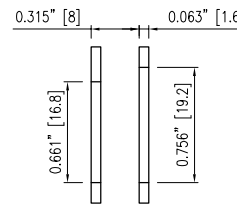
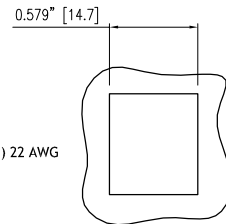


REVISIONS		
Rev	DESCRIPTION	DATE
A	INITIAL RELEASE	2014.08.22



SUGGESTED MOUNTING CUTOUT



PIN ASSIGNMENTS	T568B	T568A
	1	WHITE/ORANGE
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: Phosphor Bronze flat wire, plated with 50 µm (1.27 µm) thick hard gold over nickel underplate
PCB: FR4
IDC Terminals: Phosphor Bronze, plated with tin over nickel underplate
IDC Block: High-impact Polycarbonate (PC resin), UL 94 V-0 rated
RoHS 2 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 Rating: 1 - 100 MHz
Bandwidth Support: 10/100/1000 Mbps
Compliant: Meets TIA-568-C.2 Category 5e
Connecting Hardware Requirement for Component Level
Insertion Cycles: 750 Times for 8P Modular Plug
Cable Re-termination Cycles: 20 Times



DIMENSIONS ARE IN[MM]			
TOLERANCES:			
-0.787 [20]	-1.969 [50]	-5.906 [150]	5.906 [150]
±0.008 [0.2]	±0.016 [0.4]	±0.020 [0.5]	±0.059 [1.5]
3rd Angle Projection			

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL
FINISH
DO NOT SCALE DRAWING

BLACK BOX
NETWORK SERVICES

NAME	DATE	TITLE:
DRAWN Rita Lee	2014.08.22	GigaBase2 Universal Jack Category 5e, Gray
ENG APPR. Kihai Lee	2014.08.22	
CHECKED Max Wang	2014.08.22	SIZE DWG. NO. REV
COMMENTS:		B FMT923-R2 A
SCALE: X		SHEET 1 OF 1