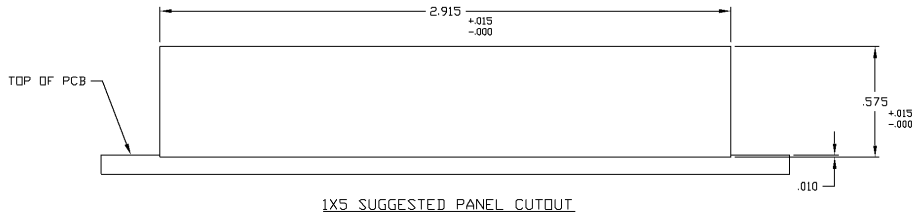
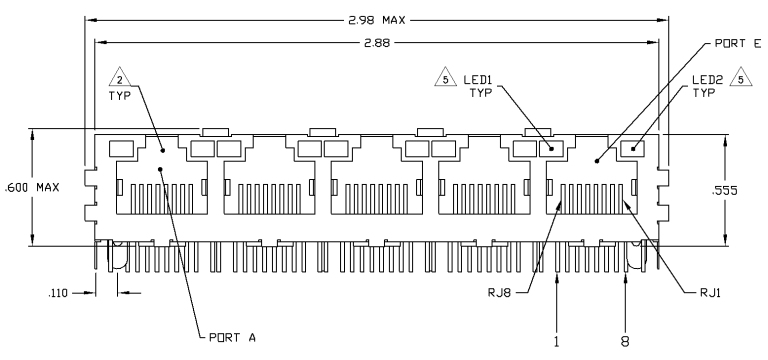
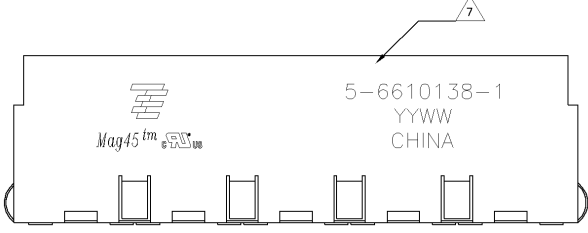


MECHANICAL:



1X5 SUGGESTED PANEL CUTOUT

- 1 MATERIALS
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
SHIELD - 0.010" THICK C27805 BRASS PREPLATED WITH 150µM INH MIN SEM-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100µM INH MIN SAC SOLDER.
MOD JACK CONTACTS - 0.057" X 0.087" PHOSPHOR BRONZE, 50µM INH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50µM INH MIN HARD GOLD FINISH PLATE.
COLLECTOR TABS WITH 100µM INH MIN MATTE TIN AND/OR SAC SOLDER DIP.
LIGHT EMITTING DIODES - DIFFUSED EPOXY LENS, 0.930" X 0.930" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80µM INH SILVER OVER 40µM INH NICKEL UNDERPLATE OVER 40µM INH COPPER UNDERPLATE. POST-PLATED WITH 100µM INH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2 RJS JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3 MAGNETICS
IMPEDANCE: 100 OHMS
TURNS RATIO (IMP. LABEL): TX ± 11, RX ± 11
OPEN CIRCUIT INDUCTANCE (DC): 350µH MIN @ 100KHZ, 0 IV RMS.
SHIELD BIAS FROM 0°C TO 70°C, TX AND RX
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.5dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 50MHz
18-20dBS/30dB MIN FROM 10 MHz TO 60MHz
12dB MIN FROM 60 MHz TO 80MHz
CROSSTALK ATTENUATION: 15dB MIN FROM 0.5MHz TO 40MHz
33-20dBS/30dB MIN FROM 40 MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
ISOLATION VOLTAGE: COMPLIES WITH IEEE602.3 2002, PARA 235.11 ITEM B.
- 4 OPERATING TEMPERATURE: FROM 0°C TO -70°C
- 5 THE 250 OHM LED RESISTORS ARE OPTIONAL. PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA LED COLOR:
DOMINANT WAVELENGTH (nm): GREEN 568 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (nm): YELLOW 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
IF THE LED WITH 250 OHM RESISTORS LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA LED COLOR: DOMINANT WAVELENGTH (nm): GREEN 568 nm TYP. at VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. at VF=5V
DOMINANT WAVELENGTH (nm): YELLOW 588 nm TYP. at VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP. at VF=5V
- 6 INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-INDUPEX.
- 7 TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.
- 8 THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 245°C MAX, 10 SECONDS MAX.

NO	GREEN/YELLOW	GREEN/YELLOW	5-6610138-6
YES	GREEN	YELLOW	5-6610138-1
LED RESISTORS	LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. SEARCHED INDEXED SERIALIZED FILED

DATE: 08-01-2008

TIME: 10:00

BY: [Signature]

NO. 100

REV: A1

00779

6610138

CUSTOMER DRAWING

1X5 MAG45(M) MODULAR JACK, THIS SCHEMATIC, 766 SERIES CIRCUIT, DECOUPLING CAPACITOR, SHIELDED, WITH LEADS, 53 TABS

DATE: 08-01-2008

BY: [Signature]

NO. 100

REV: A1

00779

6610138

CUSTOMER DRAWING

