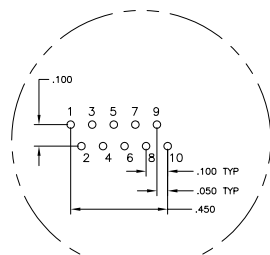
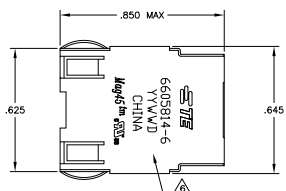
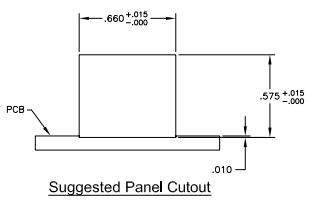
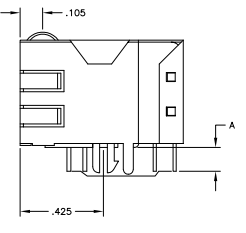
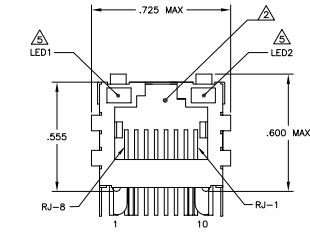


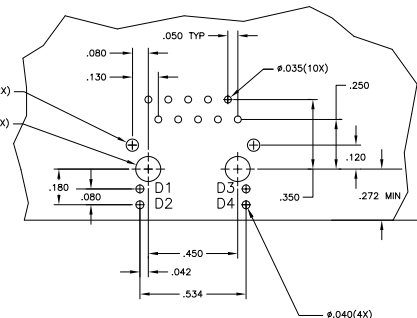
MECHANICAL:



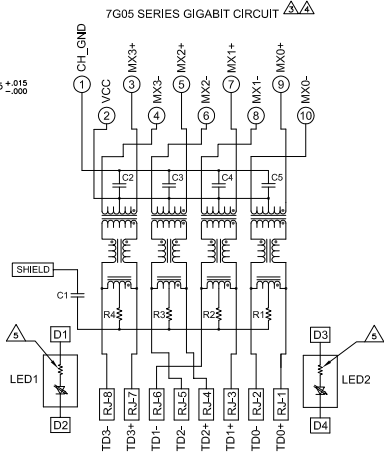
Pin Designations



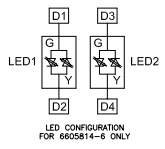
Suggested Panel Cutout



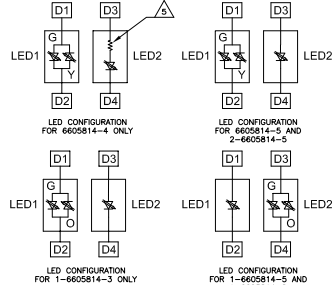
Suggested PCB Layout (Component Side)



C1=1000 µF, 24V CAPACITOR
 R1-R4=75 OHMS, 1/16 W RESISTORS
 C2-C5=0.1 µF, 50V, XTR CAPACITORS



LED CONFIGURATION FOR 6605814-3 ONLY



LED CONFIGURATION FOR 6605814-4 ONLY
LED CONFIGURATION FOR 6605814-5 AND 6605814-5 ONLY
LED CONFIGURATION FOR 6605814-6 ONLY

REV. NO.		REVISIONS	
DATE	BY	DESCRIPTION	APP'D
F1	2104011	REVISED PER ECO-11-005150	RK RMR
G	ECO-11-01389B		EL LR
H	ECO-11-024595		PP KZ

- MATERIALS:**
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V0.
 SHIELD - .016" THICK, C28000 BRASS PREPLATED WITH 300 INCH MIN SEM-BRIGHT NICKEL.
 SOLDER TABS POST-CAPPED WITH 1000 INCH MIN SAC SOLDER.
 MOD JACK CONTACTS - .0157" x .018" THICK, PHOSPHOR BRONZE, 50 INCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 500 INCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 1000 INCH MIN MATTE TIN AND/OR SAC SOLDER DP.
 LIGHT EMITTING DIODE (LED) - DIFFUSED EPOXY LENS, .020" x .020" CARBON STEEL WIREFRAME LEADS PREPLATED WITH 800 INCH SILVER OVER 400 INCH NICKEL UNDERPLATE OVER 400 INCH COPPER UNDERPLATE, POST-PLATED WITH 1000 INCH MIN MATTE TIN AND/OR SAC SOLDER DP OR PURE TIN SOLDER DP.
- RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.**
- MAGNETICS**
 APPLICATION: 10/100/1000 BASE-T
 IMPEDANCE: 100 OHMS
 TURN RATIO (CH/COIL): 1:1 ALL FOUR PAIRS
 OPEN CIRCUIT INDUCTANCE (OCL): 350 nH @ 100MHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 ALL FOUR PAIRS BIDIIRECTIONAL
 PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.4dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 12-20LOG(S/0.5) MIN FROM 40.1MHz TO 100MHz
 CROSSTALK ATTENUATION: 25dB MIN FROM 0.5MHz TO 40MHz
 33-20LOG(S/0.5) MIN FROM 40.1MHz TO 100MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 ISOLATION VOLTAGE: 25dBV (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.
- THE MAGNETICS ARE SYMMETRICAL AND SUPPORTS AUTO-MDM/DM.**
- THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.**
 LED COLOR: DOMINANT WAVELENGTH (λ D): GREEN 568 nm TYP, at IF=20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP, at IF=20mA
 DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP, at IF=20mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP, at IF=20mA
 DOMINANT WAVELENGTH (λ D): ORANGE 605 nm TYP, at IF=20mA
 FORWARD VOLTAGE (VF): ORANGE 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 (λ D): GREEN 568 nm TYP, at VF=5V
 FORWARD CURRENT (IF): GREEN 12 mA TYP, at VF=5V
 DOMINANT WAVELENGTH (λ D): YELLOW 588 nm TYP, at VF=5V
 FORWARD CURRENT (IF): YELLOW 13 mA TYP, at VF=5V

TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN. DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1

7. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 180°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 280°C MAX, 10 SECONDS MAX.

1004.010	GREEN/YELLOW	NO	GREEN	NO	2-6605814-5
1458.010	GREEN	NO	GREEN/ORANGE	NO	1-6605814-8
1458.010	YELLOW	NO	GREEN/ORANGE	NO	1-6605814-5
1458.010	GREEN/ORANGE	NO	YELLOW	NO	1-6605814-3
1458.010	GREEN	YES	GREEN	YES	1-6605814-1
1458.010	GREEN	NO	YELLOW	NO	6605814-8
1458.010	GREEN/YELLOW	NO	GREEN/YELLOW	NO	6605814-6
1458.010	GREEN/YELLOW	NO	GREEN	NO	6605814-5
1458.010	GREEN/YELLOW	NO	GREEN	YES	6605814-4
1458.010	YELLOW	YES	GREEN	YES	6605814-2
1458.010	GREEN	YES	YELLOW	YES	6605814-1

THIS DRAWING IS A CONTROLLED DOCUMENT

DATE: 1008-2100

REV: 1

DESCRIPTION: CUSTOMER DRAWING

1008-2100

1X1 MACH5(TN), MODULAR JACK, 704 SCHEMATIC, 05 SERIES GIGABIT CIRCUIT, SHIELDED, WITH LEDS

100779-6605814

1 of 1