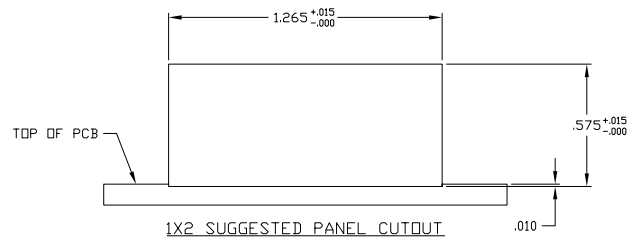
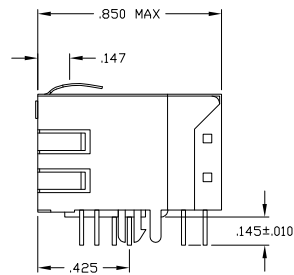
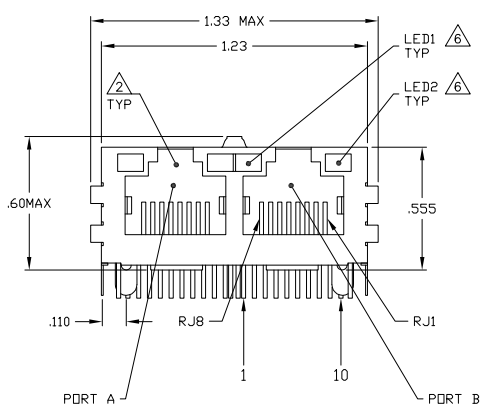
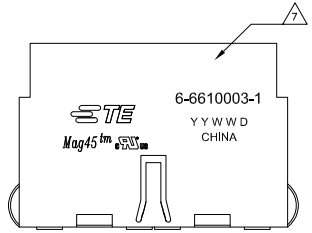


MECHANICAL:



1X2 SUGGESTED PANEL CUTOUT

REV	DATE	DESCRIPTION	BY	CHK	APP
AA	22				
C		REV PER ECO-08-021860			VL TX
C1		REMOVED PER ECO-08-024987			KK AEG
D		ECO-11-013928			EL LJR

- △ MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
 - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30.0UMIN MIN SEMI-BRIGHT NICKEL
 - SOLDER TABS POST DIPPED WITH 100.0UMIN MIN SAC SOLDER
 - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50.0UMIN MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50.0UMIN MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100.0UMIN MIN MATTE TIN AND/OR SAC SOLDER DIP
 - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 90.0UMIN SILVER OVER 40.0UMIN NICKEL UNDERPLATE OVER 40.0UMIN COPPER UNDERPLATE. POST-PLATED WITH 100.0UMIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ MAGNETICS
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350.0H MIN @100MHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @ 25°C
 - INSERTION LOSS (IL): 1.0dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - IS: 20.0dBi/80.0dB MIN FROM 4.0MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20.0dBi/75.0dB MIN FROM 4.0MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
- 4. OPERATING TEMPERATURE: FROM 0° TO -70°C
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO ACCOMMODATE AUTO-MID/MIDIX.
- △ 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 (LD): GREEN 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (LD): 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 (LD): GREEN 588 nm TYP. at VF=5V
FORWARD CURRENT (IF): YELLOW 12 mA TYP. at VF=5V
DOMINANT WAVELENGTH (LD): 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.
- 8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS. PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX. 10 SECONDS MAX.
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

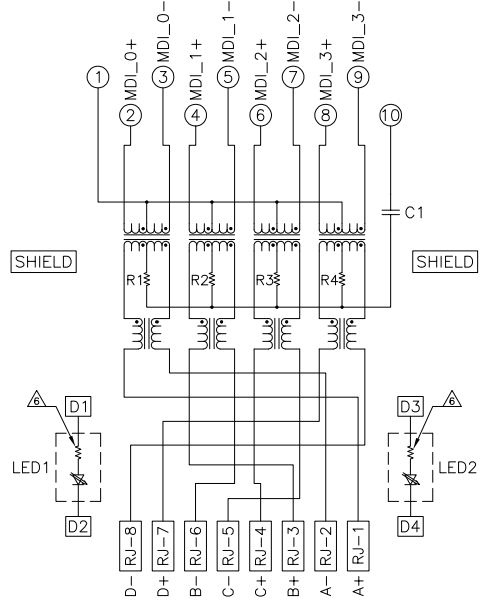
YES	GREEN	YES	GREEN	YES	6-6610003-1
YES	GREEN	NO	YELLOW	NO	5-6610003-8
YES	YELLOW	YES	GREEN	YES	5-6610003-2
△ OBSOLETE	YES	GREEN	YES	YELLOW	5-6610003-1

DECOUPLING CAPACITOR	LED1	250 OHM RESISTOR	LED2	250 OHM RESISTOR	PART NUMBER

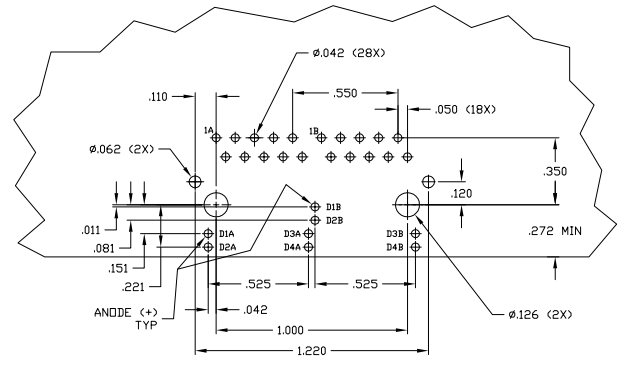
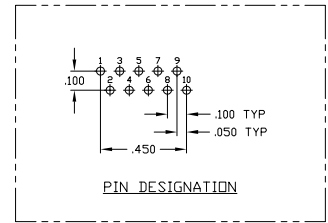
EMISSIVE SERIES	ORIGINAL LABEL	NEW LABEL	REVISION
108-2100			

REV	DATE	DESCRIPTION	BY	CHK	APP
A1	00779	6610003			

7G01P1 GIGABIT MAGNETIC CIRCUIT



C1 = 1000pF, 2kV CAPACITOR
 R1-R4 = 75 OHMS, 1/16 W RESISTORS



SUGGESTED PCB LAYOUT
 (Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	REVISIONS	BY	CHK	APP
DESIGNER	DATE	REV	DATE	REVISIONS	BY	CHK	APP
SERIES		REV	DATE	REVISIONS	BY	CHK	APP
PART		REV	DATE	REVISIONS	BY	CHK	APP
PAGE		REV	DATE	REVISIONS	BY	CHK	APP
CUSTOMER DRAWING		REV	DATE	REVISIONS	BY	CHK	APP

STE TE Connectivity

1X2 MAG45(TM) MODULAR JACK,
 7G1P1 SCHEMATIC, 7G01P1 GIGABIT CIRCUIT
 (10 PIN HORIZONTAL), SHIELDED, WITH LEADS

REV: 00779 (C) 6610003

TITLE: 4-1 SHEET: 2 OF 2