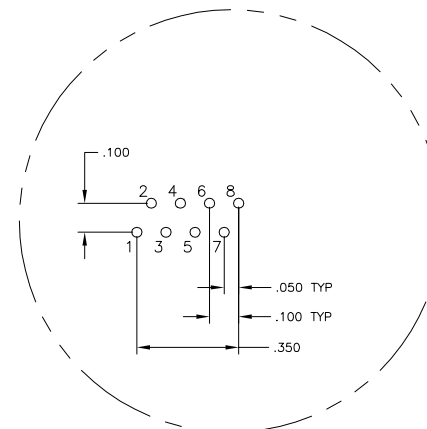
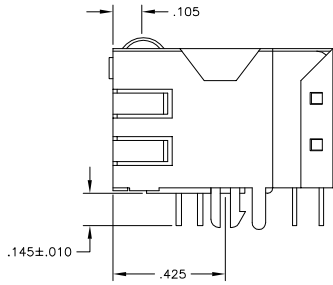
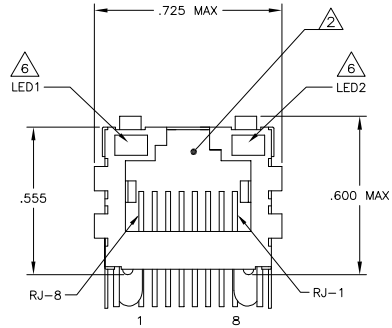
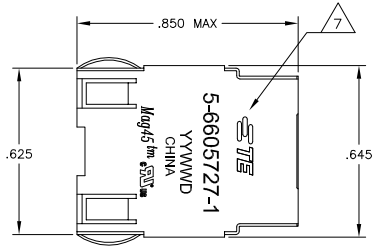


MECHANICAL:



Pin Designations

LOC	QTY	REV	DESCRIPTION	DATE	BY	APP
AA	22					
C			PER ECO-11-007456	06APR2011	RZ	KZ
D			ECO-11-015766	30MAY2011	EL	LR

MATERIALS:
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
 MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 100μINCH 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 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN 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
 -APPLICATION: 10/100 BASE-T
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP-CABLE): TX = 1:1.41, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, TX AND RX
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
 18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
 12dB MIN FROM 60.1MHz TO 80MHz
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 33-20LOG(f/50)dB MIN FROM 40.1MHz 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.

4 OPERATING TEMPERATURE: FROM 0°C TO +70°C.

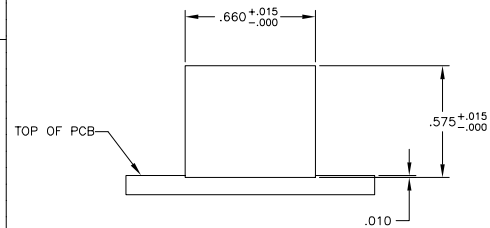
INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRIC, AND DO NOT SUPPORT AUTO-MDI/MDIX.

THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS.
 IF LEADS WITHOUT 250 OHM RESISTOR, LEADS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA
 IF LEADS WITH BUILT-IN RESISTOR, LEADS ARE DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ VF=5V
 FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ VF=5V
 FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V

TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

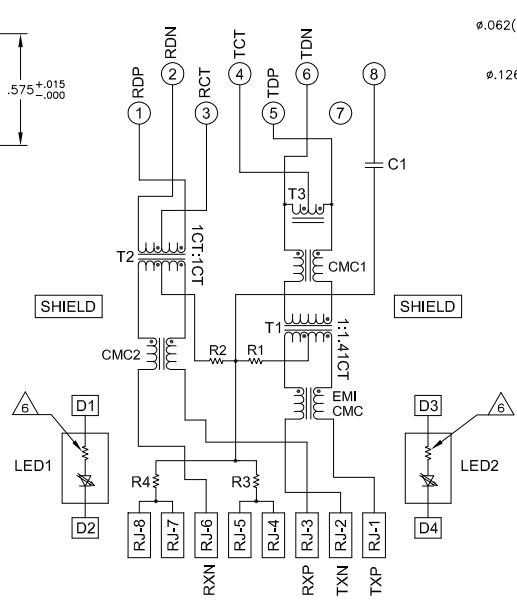
THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

OBsolete PARTS: OBsolete CIS STREAMLINING PER D.RENAUD/D.SINISI



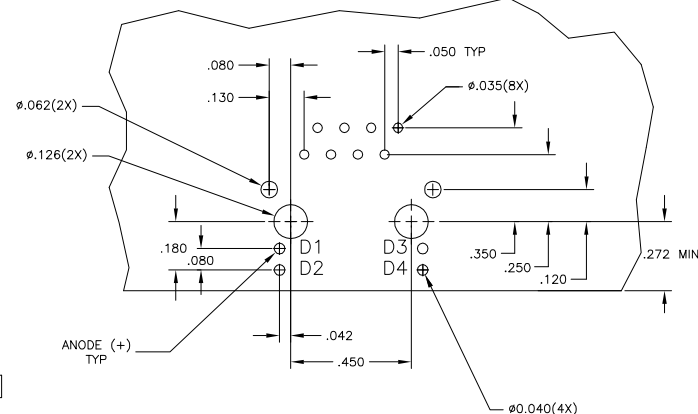
Suggested Panel Cutout

716 SERIES MAGNETIC CIRCUIT

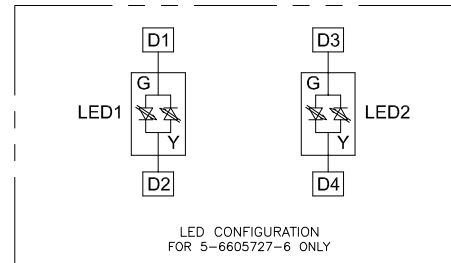


C1 = 1000 pF, 2KV DECOUPLING CAPACITOR

R1-R4 = 75 OHMS, 1/16 W RESISTORS



Suggested PCB Layout (Component Side)



LED CONFIGURATION FOR 5-6605727-6 ONLY

OBsolete	YES	GREEN	GREEN	6-6605727-1
	YES	YELLOW	GREEN	6-6605727-0
	NO	GREEN/YELLOW	GREEN/YELLOW	6-6605727-6
	YES	GREEN	YELLOW	5-6605727-1
	250 OHM RESISTORS	LED1	LED2	PART NUMBER

DIMENSIONS:		REV. ATTADIA - TOMARIS		REV. FAROLE - TOMARIS		REV. FAROLE - TOMARIS		REV. FAROLE - TOMARIS	
INCHES	0.100	1	1	1	1	1	1	1	1
MATERIAL	TE CONNECTIVITY	DATE	06APR2011	DATE	06APR2011	DATE	06APR2011	DATE	06APR2011
FINISH	TE CONNECTIVITY	SCALE	1:1	SCALE	1:1	SCALE	1:1	SCALE	1:1