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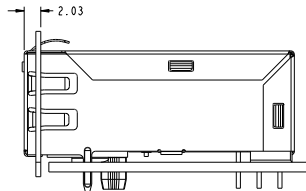
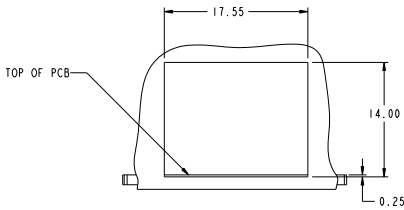
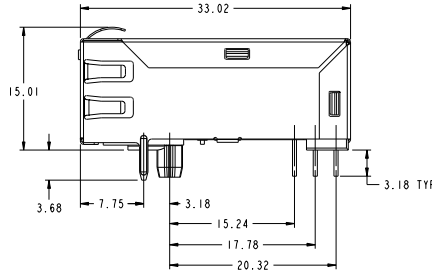
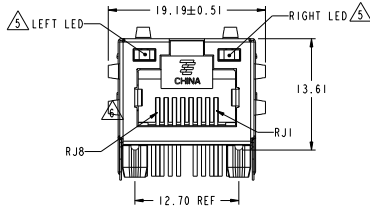
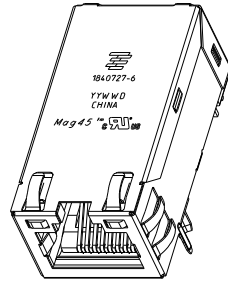
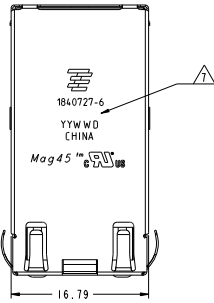
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LOC		DIST		REVISIONS			
AA	00	REV	DATE	DESCRIPTION	DATE	BY	APPV
		6	ECO-09-009953		26APR2009	VL	LR
		A	ECO-11-001566		07DEC2010	RL	KZ



SUGGESTED PANEL CUTOUT VS CUSTOMER BOARD

CONNECTOR ASSEMBLED TO PANEL AND PCB

MATERIALS
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
 SHIELD: BRASS, 0.20mm THICK
 PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
 POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
 CONTACT: PHOSPHOR BRONZE, 0.46mmX0.25mm
 WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
 SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
 SOLDER TAIL: COPPER CLADDED STEEL, 0.50mm SQUARE
 PLATED WITH 2.54um MIN MATTE TIN
 LIGHT PIPE: POLYCARBON, TRANSPARENT, RATING UL 94V-0
 LED: DIFFUSED EPOXY LENS, 0.50mm SQUARE CARBON STEEL WIREFRAME LEADS
 PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
 OVER 1.02um MIN COPPER UNDERPLATE
 POST PLATED WITH 2.54um MIN TIN

MAGNETICS
 -APPLICATION: 10/100/1000 BASE-T
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CMIP: CABLE): 1:1 ALL FOUR PAIRS
 -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 -ALL FOUR PAIRS BI-DIRECTIONAL
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 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: 2250 VDC FOR 60 SECONDS DURATION.

THE MAGNETICS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.

OPERATING TEMPERATURE: 0°C - 70°C

LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
 LED COLOR:
 DOMINANT WAVELENGTH (XD): GREEN 568 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
 DOMINANT WAVELENGTH (XD): YELLOW 588 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
 DOMINANT WAVELENGTH (XD): ORANGE 605 nm TYP. @ IF=20mA
 FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA

RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

TYCO ELECTRONICS LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY LOGO TO BE MARKED IN APPROPRIATE 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.

LEFT LED	RIGHT LED	PART NUMBER
GREEN	GREEN/ORANGE	I-1840727-8
GREEN	GREEN/YELLOW	I-1840727-6
GREEN/ORANGE	YELLOW	I-1840727-3
YELLOW	GREEN	1840727-9
GREEN	GREEN	1840727-7
GREEN/YELLOW	GREEN/YELLOW	1840727-6

DIMENSIONS:		TOLERANCE UNLESS SPECIFIED:		DATE		BY		NAME		TYCO ELECTRONICS	
mm		0 PLC	±0.25	JULI XU	30-NOV-06	KEVIN ZHU	30-NOV-06	EDDY X LONG	30-NOV-06	TYCO ELECTRONICS	ChongPing, China
		1 PLC	±0.25							1X1 MAG(45) MODULAR JACK	
		2 PLC	±0.25							1G27 GIGABIT SCHEMATIC	
		3 PLC	±0.25							SHIELDED WITH LEADS	
		4 PLC	±0.25								
		ANGLE	±0.25								
		FINISH									
MATERIAL	SEE NOTE 1	WEIGHT		SIZE	A2	CAGE CODE	00779	DRAWING NO	1840727	RESTRICTED TO	
		CUSTOMER DRAWING		SCALE	NTS	SHEET	1	OF	2	REV	A

