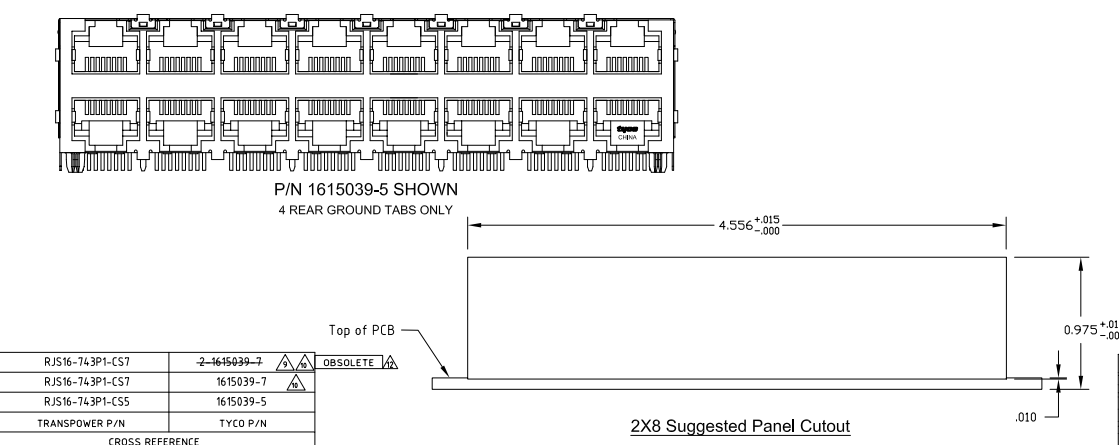
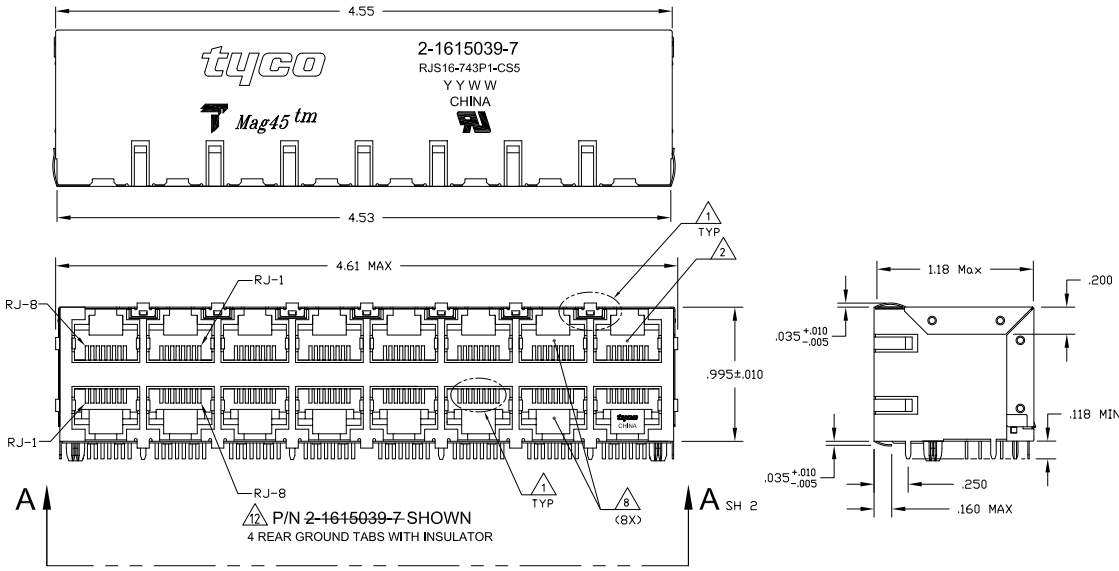


REV	DATE	DESCRIPTION	BY	CHK
F1		REVISED PER ECO-16-00644	SLAVER	RK AEG
G		ECO-16-03332	SHAWBT	QZ KZ

**MECHANICAL:**



TRANSPOWER P/N	TYCO P/N
RJS16-743P1-CS7	2-1615039-7
RJS16-743P1-CS7	1615039-7
RJS16-743P1-CS5	1615039-5
TRANSPOWER P/N	TYCO P/N

- △ MATERIALS:  
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0, PHASE IV ENHANCED GEOMETRY.  
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 50μm INCH SEM-BRIGHT NICKEL;  
 POST-DIPPED WITH 100μm INCH MIN TIN-LEAD.  
 MOD JACK CONTACTS - .012" x .018" PHOSPHOR BRONZE, SPRING TEMPER, 50μm INCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECT 50μm INCH MIN HARD GOLD FINISH PLATE.  
 SOLDER TAILS WITH 50μm INCH MIN TIN-LEAD FINISH PLATE.
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- △ MAGNETICS:  
 -IMPEDANCE: 100 OHMS  
 -TRANSMIT OPEN CIRCUIT INDUCTANCE (OCL): 350μH (MIN) @100KHZ, 0.1VRMS WITH 8 mA DC BIAS FOR EACH TRANSFORMER OVER T = 0°C - +70°C.  
 -RISE TIME: 2.5 NANO-SECONDS FROM 10 TO 90 PERCENT.  
 -TURNS RATIO (CHIP: CABLE): TX: 1:1, RX: 1:1  
 PERFORMANCE:  
 -TRANSMIT BIDIRECTIONAL TX RJ3 & RJ6.  
 -RECEIVE BIDIRECTIONAL RX RJ1 & RJ2.

FREQUENCY	*INSERTION LOSS	RETURN LOSS	CROSSTALK ATTENUATION	COMMON MODE REJECTION RATIO	
				TX	RX
100 MHZ - 999 MHZ	1.0 dB(MAX)	18.0 dB(MIN)	43.0 dB(MIN)	46.0 dB(MIN)	35.0 dB(MIN)
1.0 MHZ - 15.0 MHZ	0.3 dB(MAX)	18.0 dB(MIN)	43.0 dB(MIN)	46.0 dB(MIN)	35.0 dB(MIN)
15.1 MHZ - 60.0 MHZ	0.6 dB(MAX)	18.0 dB(MIN)	43.0 dB(MIN)	46.0 dB(MIN)	35.0 dB(MIN)
60.1 MHZ - 80.0 MHZ	1.1 dB(MAX)	15.0 dB(MIN)	39.0 dB(MIN)	42.0 dB(MIN)	33.0 dB(MIN)
80.1 MHZ - 100.0 MHZ	1.1 dB(MAX)	12.0 dB(MIN)	38.0 dB(MIN)	42.0 dB(MIN)	33.0 dB(MIN)

ALL MAGNETIC ELECTRICAL CHARACTERISTICS RATED @ 1-25°C  
 \*INDICATED INSERTION LOSS REFERS TO MAGNETIC CIRCUITRY ONLY

- △ HIPT (ISOLATION VOLTAGE):  
 -250 VDC (1 mA CUTOFF CURRENT) FOR 60 SECOND DURATION.  
 -ALL BRIDGED ON EITHER SIDE OF MAGNETICS PACKAGE FOR RJ-45 CONTACTS.  
 OPERATING TEMPERATURE: FROM 0°C - +70°C.
- △ C1 IS A 1000 pF, 2KV DECOUPLING CAPACITOR.
- △ ALL DIMENSIONS NOMINAL UNLESS OTHERWISE NOTED.
- △ R1-R2 = 75 OHMS, 1/16 W, 5% RESISTORS.
- △ INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. HOWEVER, THE MAGNETICS ARE SYMMETRICAL TO ACCOMMODATE CONNECTIONS FOR EITHER NIC OR HUB CONFIGURATION, OR AUTO-MDI/MDIX.
- △ THIS STACKED MODULAR JACK HAS REMOVABLE MAGNETIC MODULES WHICH OFFER REPAIR CAPABILITY WITHOUT DESOLDERING PRODUCT FROM PCB, SEE INSTRUCTION SHEET #408-8842.
- △ INSULATOR (TRANSLUCENT CLEAR), FR-4, .008" THICK, 210" X 4.490".
- △ BOTTOM SHIELD, (BLACK), FR-4, .012" THICK, .81" X 4.51".
- △ 670" IS A NON-STANDARD DIMENSION, 680" IS STANDARD.
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

QTY	DESCRIPTION	PART NUMBER
4	INSULATOR AND BOTTOM SHIELD	2-1615039-7
4	BOTTOM SHIELD	1615039-7
4	N/A	1615039-5
	REAR PCB GND TABS	OPTIONAL PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT

DATE	REVISED	BY	CHK
08-20-2008	1	SLAVER	RK AEG

SHIPT SCHEMATIC, SLIP SHEET, CIRCUIT, DECOUPLING CAPACITOR, PANEL GROUND TABS, AND OPTIONAL PCB GROUNDS

DATE: 08-20-2008

REV: 1

SIZE: A1

00779

1615039

CUSTOMER DRAWING

SCALE: NTS

SHEET 1 OF 2

REV: G

