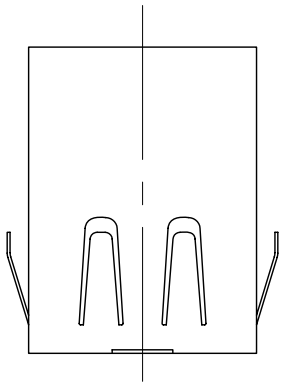
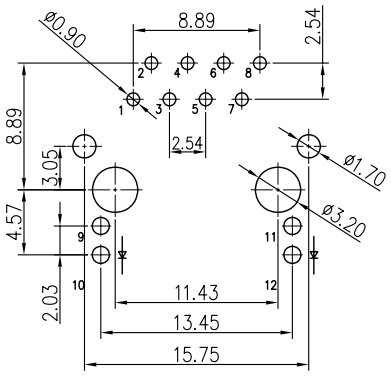
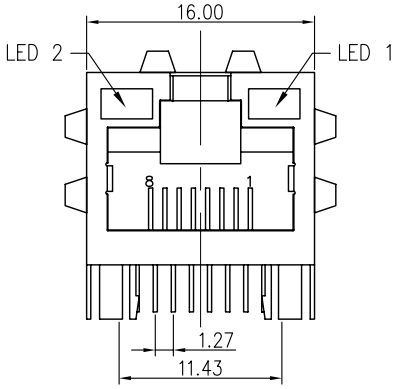
V1.1 NOTE: THIS DEVICE IS ROHS COMPLIANT.

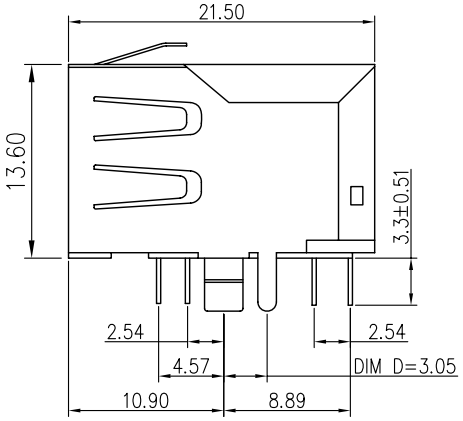
REVISIONS							
SYM	DESCRIPTION	DATE	APPROVED	SYM	DESCRIPTION	DATE	APPROVED
△				△			
△				△			
**CUSTOMER DRAWING FOR REFERANCE ONLY, SAMPLES APPROVAL ARE REQUIRED!!							201

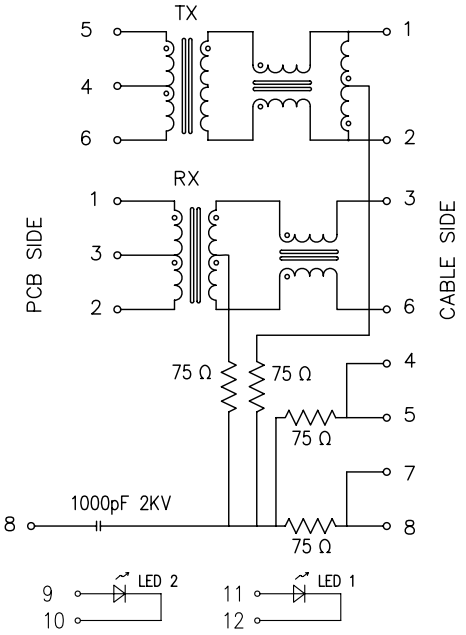




RECOMMENDED P.C.B. LAYOUT
COMPONENT SIDE SHOWN







SCHEMATIC

MECHANICALS
HOUSING MATERIAL: NYLON 25%+GF(Fr50)UL94V-0
STANDARD COLOR: BLACK.
INSERT MATERIAL:
MATERIAL: PHOS-BRONZE C5210 EH-0.35mm THICKNESS.
INSERT-PBT+30%GF UL94V-0
1. PLATING(1)NICKEL
2. PLATING(2)100%Sn
3. PLATING(3)GOLD(3u"~50u")
PLATE MATERIAL: PBT-4830+30%GF UL94V-0
CONTACT PIN MATERIAL:
MATERIAL: PHOS-BRONZE C5210 EH-0.35mm THICKNESS
1. PLATED(1): NICKEL
2. PLATED(1): 100%Sn
SHIELD MATERIAL: BRASS C2680 H.-0.25mm THICKNESS
OPERATING LIFE: 750 CYCLE MIN.
WAVE SOLDERING TEMPERATURE: 230~250°C (3~5 SECONDS)

LX	LED2	LED1
L1	YELLOW	GREEN
L2	GREEN	GREEN
L3	GREEN	YELLOW
L5	GREEN	RED
L7	YELLOW	YELLOW
L8	BI-COLOR G/Y	BI-COLOR G/Y
L9	YELLOW	BI-COLOR O/G
L10	BI-COLOR O/G	YELLOW
L11	BI-COLOR G/Y	GREEN
L12	GREEN	BI-COLOR G/Y
L13	GREEN	BI-COLOR G/O
L14	BI-COLOR Y/G	BI-COLOR Y/G

LED OPTIONS

ELECTRICAL SPECIFICATIONS@25°C:
TURN RATIO(±5%): TX:1CT:1 RX:1CT:1CT
OCL(@100KHZ/0.1V/8mA): 350uH MIN.
INSERTION LOSS(dB TYP): -1.0dB(0.3~1MHz), -0.3dB(1~15MHz), -0.6dB(15~60MHz), -1.1dB(60~80MHz), -1.1dB(80~100MHz)
RETURN LOSS(dB TYP): -18dB(0.3~1MHz), -18dB(1~15MHz), -18dB(15~60MHz), -15dB(60~80MHz), -12dB(80~100MHz)
CROSSTALK(dB TYP): -43dB(0.3~1MHz), -43dB(1~15MHz), -43dB(15~60MHz), -38dB(60~80MHz), -38dB(80~100MHz)
TX CMR(dB MIN.): -46dB(0.3~1MHz), -46dB(1~15MHz), -46dB(15~60MHz), -42dB(60~80MHz), -42dB(80~100MHz)
RX CMR(dB MIN.): -35dB(0.3~1MHz), -35dB(1~15MHz), -35dB(15~60MHz), -33dB(60~80MHz), -33dB(80~100MHz)
HI-POT TEST: 1500Vrms/0.5mA/60sec
OPERATING TEMPERATURE: 0°C TO +70°C
STORAGE TEMPERATURE: -40°C TO +85°C

ORDER INFORMATION:
MJKf4635R-Pa88GftSb-D-LX
MJK: MODULAR JACK
f: TRANSFORMER
4635R: SERIES NO.
Pa: PCB TYPE, RIGHT ANGLE
88: NO. OF CONTACT, 8P8C
Gft: GOLD FLASH ON CONTACT, TIN PLATED ON SOLDER TAIL
Sb: SHIELDED WITH PANEL GROUNDING TAB
D: DIM D= 3.05mm, PLASTIC PEG IN THE FRONT
LX: LED OPTION

TOLERANCES UNLESS OTHERWISE SPECIFIED ±0.25			SIGNATURES		DATE	MODEL
			DRAWN	AARON	27/NOV/07'	TITLE MODULAR JACK WITH TRANSFORMER
SYMBOL △	UNIT mm	SCALE 2/1	CHECKED	WENDY	27/NOV/07'	NO. MJKf4635R-Pa88GftSb-D-L_
			APPROVALS			

MMT CORPORATION

TEL:(510)979-2188 www.mmtmachrone.com FAX:(510)979-2189