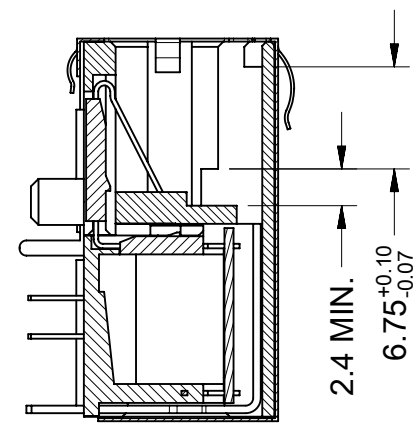
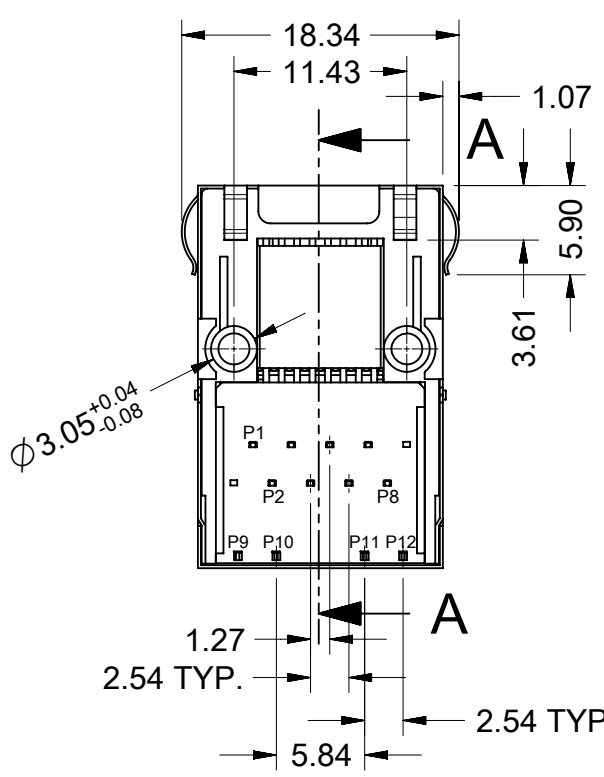
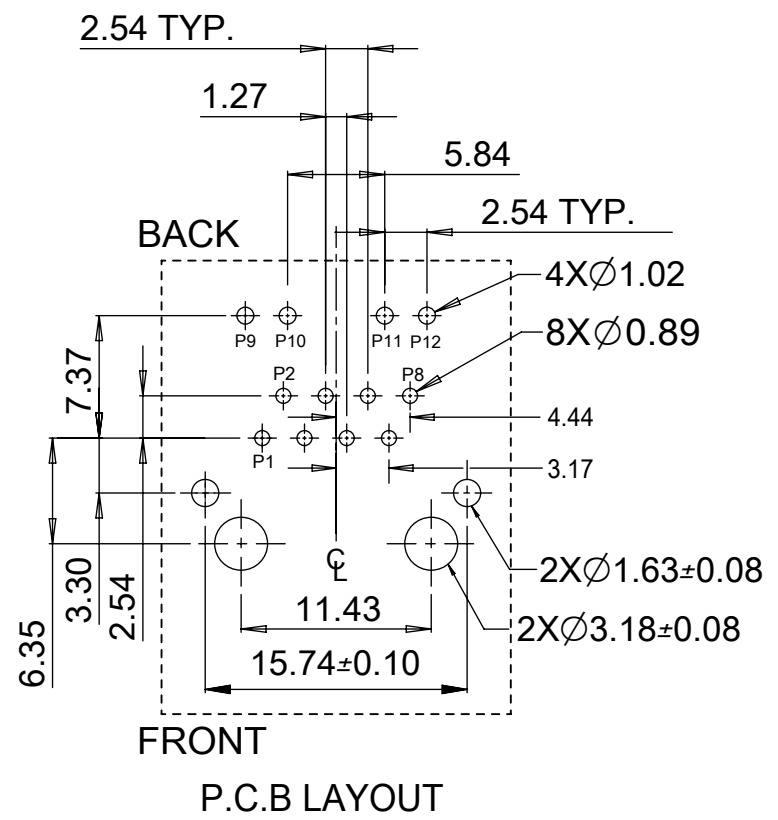
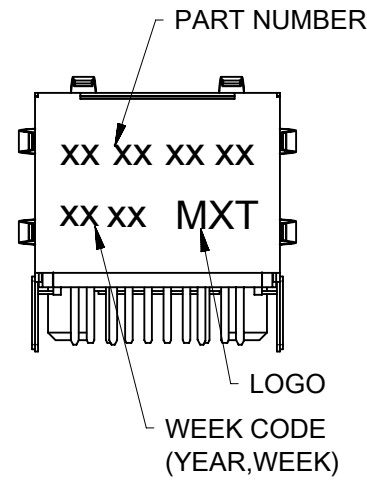
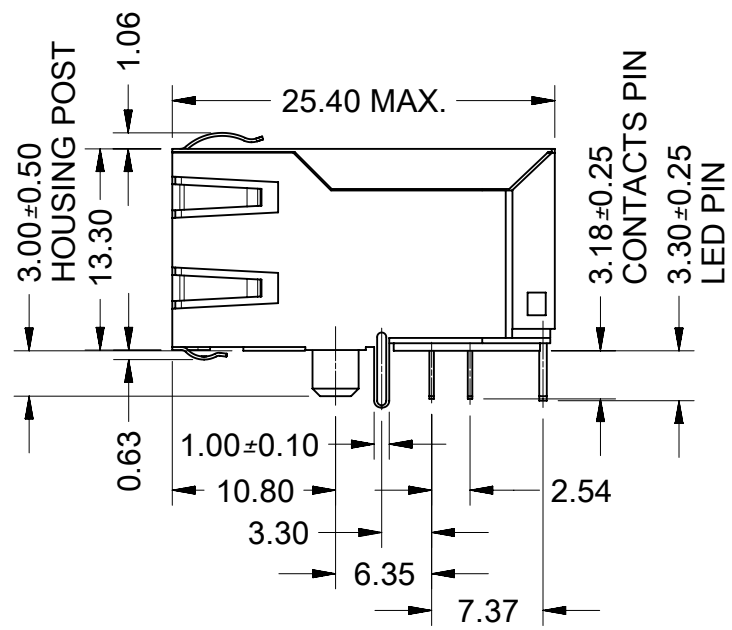
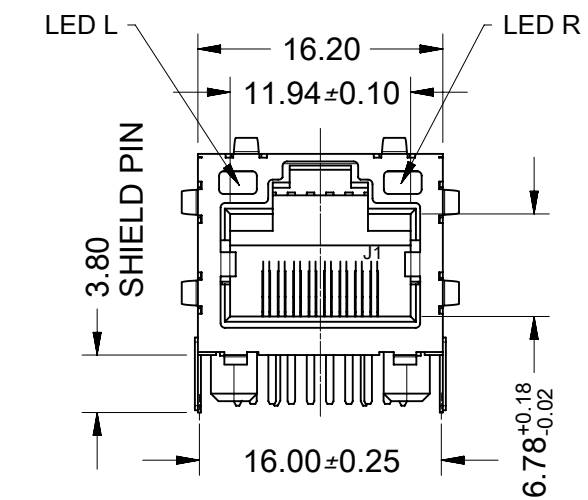
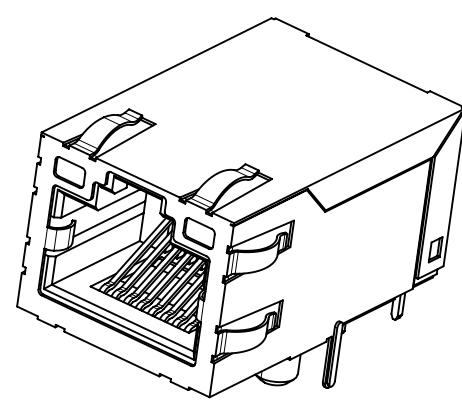




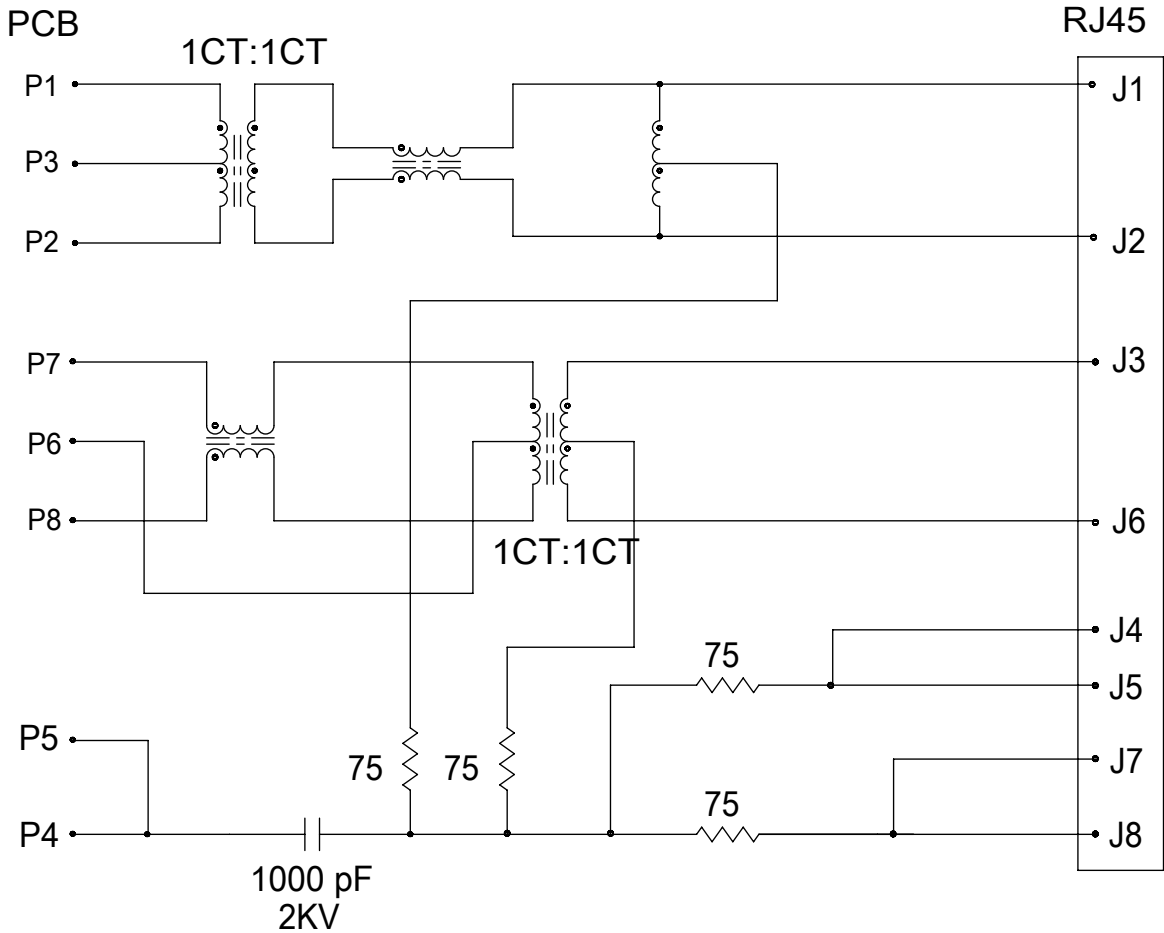
SECTION A-A



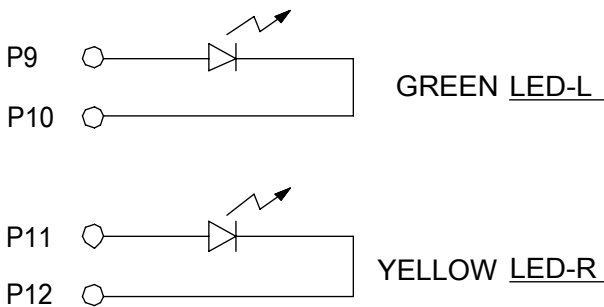
NOTES:

- 1.MATERIAL:
METAL SHELL: BRASS
HOUSING: POLYAMIDE, GLASS FIBER FILLED, UL94 V-0,COLOR BLACK
INSERT: POLYAMIDE, GLASS FIBER FILLED, UL94 V-0,COLOR BLACK
TERMINAL: PHOSPHOR BRONZE
- 2.PLATING:
TERMINAL:
CONTACT AREA: GOLD(Au), THICKNESS=50 MICROINCH/1.27 MICROMETER
SOLDER TAIL: TIN(Sn),THICKNESS=100 MICROINCH MINIMUM
UNDER PLATE: NICKEL (Ni).
- METAL SHELL:
SOLDER TAIL: TIN(Sn),THICKNESS=100 MICROINCH MINIMUM
UNDER PLATE: NICKEL (Ni),(SOLDERING AVAILABLE)
SURFACE APPEARANCE: BRIGHT.
- 3.RECOMMENDED PCB THICKNESS: 1.60±0.05
- 4.PRODUCT SPECIFICATION REFER TO PS-48025-005
- 5.TEST SUMMARY REFER TO TS-48025-007
- 6.PACKAGING SPECIFICATION REFER TO PK-48025-001
- 7.LEAD FREE AND RoHS COMPLIANT PRODUCT.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
▽ = 0	mm	SCALE	2:1	EC NO: 637574 DRWN: CCHEN103 2019/08/30 CHK'D: SHLENI 2020/05/28 APPR: SHLENI 2020/05/28		MODULAR JACK WITH INTEGRATED MAGNETICS WITH LED	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						
▽ = 0	ANGULAR TOL ± 3.0 °						
▽ = 0	4 PLACES ±						
▽ = 0	3 PLACES ±			INITIAL REVISION: DRWN: ALLIN 2006/10/04 APPR: WWSCHANG 2006/10/04		PRODUCT CUSTOMER DRAWING	
▽ = 0	2 PLACES ± 0.25						
▽ = 0	1 PLACE ± 0.25						
▽ = 0	0 PLACES ±						
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION DRAWING A3-SIZE		DOCUMENT NUMBER SD-48025-007	
▽ = 0							
				SERIES 48025		MATERIAL NUMBER 48025-0091	
				CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 2	



MAGNETIC SCHEMATIC



LED SCHEMATIC

MAGNETIC ELECTRICAL SPECIFICATION

PARAMETER	SPECIFICATIONS		
INSERTION LOSS	100 KHz	1-125 MHz	
	1.2 dB MAX	0.2+0.002*f^1.4 dB MAX	
RETURN LOSS (Z OUT=100 OHM±15%)	1-30 MHz	30-60 MHz	60-80 MHz
	16 dB MIN	10-20*LOG ₁₀ (f/60 MHz) dB MIN.	10 dB MIN.
INDUCTANCE (OCL) (MEDIA SIDE, 0° +70°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS, AND WITH 8 mA DC BIAS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz	
	50 dB MIN	50-17*LOG ₁₀ (f/10) dB MIN.	
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz	
	50 dB MIN	15-20*LOG ₁₀ (f/200) dB MIN.	
DC RESISTANCE 1/2 WINDING	0.60 OHMS MAX.		
DC RESISTANCE IMBALANCE	±0.065 OHMS MAX (CENTER TAP SYMMETRY)		
HI-POT ISOLATION	1500 VRMS AC		

NOTE: f IS FREQUENCY IN MHz.

LED ELECTRICAL SPECIFICATION

PARAMETER	YELLOW (TYP.)		GREEN (TYP.)		UNITS	TEST CONDITIONS
POWER DISSIPATION	105		105		mW	
REVERSE VOLTAGE	5		5		V	
PEAK WAVELENGTH	590		565		nm	IF=20mA
FORWARD VOLTAGE	2.1	MAX.=2.5	2.2	MAX.=2.5	V	IF=20mA

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	▽ = 0	mm 1:1
	▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)
	▽ = 0	ANGULAR TOL ± 3.0 °
	▽ = 0	4 PLACES ±
	▽ = 0	3 PLACES ±
▽ = 0	2 PLACES ± 0.25	
▽ = 0	1 PLACE ± 0.25	
▽ = 0	0 PLACES ±	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
▽ = 0	THIRD ANGLE PROJECTION	
CURRENT REV DESC:		
EC NO: 637574		
DRWN: CCHEN103 2019/08/30		
CHK'D: SHLENI 2020/05/28		
APPR: SHLENI 2020/05/28		
INITIAL REVISION:		
DRWN: ALLIN 2006/10/04		
APPR: WWSCHANG 2006/10/04		
DOCUMENT NUMBER		
SD-48025-007		
DOC TYPE		
PSD		
DOC PART		
001		
REVISION		
D1		
PRODUCT CUSTOMER DRAWING		
MATERIAL NUMBER		
48025-0091		
CUSTOMER		
GENERAL MARKET		
SHEET NUMBER		
2 OF 2		