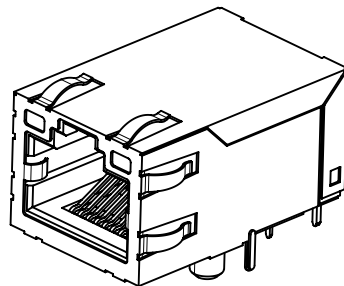


SECTION A-A

NOTES:

- MATERIAL:
  - METAL SHELL: BRASS.
  - HOUSING: HIGH TEMP THERMOPLASTIC, GLASS FIBER FILLED, UL94V-0, COLOR: BLACK
  - INSERT: HIGH TEMP THERMOPLASTIC, GLASS FIBER FILLED, UL94V-0, COLOR: BLACK
  - TERMINAL: PHOSPHOR BRONZE.
  - RESIN: UEP-700
- PLATING:
  - TERMINAL:
    - CONTACT AREA: GOLD(Au), THICKNESS=50 MICROINCH/1.27 MICROMETER MINIMUM.
    - SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH/2.54 MICROMETER MINIMUM.
    - UNDER PLATE: NICKEL (Ni).
  - METAL SHELL:
    - SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH MINIMUM
    - UNDER PLATE: NICKEL (Ni), (SOLDERING AVAILABLE)
    - SURFACE APPEARANCE: BRIGHT.
- RECOMMENDED PCB THICKNESS: 1.60±0.05
- PRODUCT SPECIFICATION REFER TO PS-48025-004
- TEST SUMMARY REFER TO TS-48025-006
- PACKAGING SPECIFICATION REFER TO PK-48025-001
- LEAD FREE AND ROHS COMPLIANCE PRODUCT
- IR REFLOW APPLICATION PRODUCT



SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																													
DIMENSION UNITS					SCALE					CURRENT REV DESC:																													
mm					1:1					EC NO: 173394																													
GENERAL TOLERANCES (UNLESS SPECIFIED)										DRWN: MFAN08 2018/03/09																													
ANGULAR TOL ± 3.0°										CHK'D: MFAN08 2018/03/09																													
4 PLACES ±										APPR: XQHE 2018/03/10																													
3 PLACES ±										INITIAL REVISION:																													
2 PLACES ± 0.25										DRWN: RLI09 2012/05/11																													
1 PLACE ± 0.25										APPR: RZHANG 2012/06/22																													
0 PLACES ±										DOCUMENT NUMBER					DOC TYPE					DOC PART					REVISION														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION					DRAWING					SERIES					MATERIAL NUMBER					CUSTOMER					SHEET NUMBER				
										A4-SIZE					48025					480250002					GENERAL MARKET					1 OF 2									

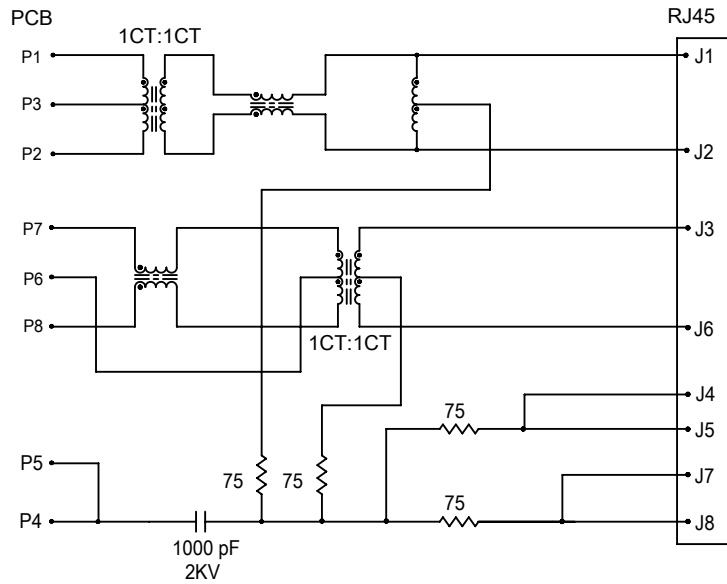
**molex**

MODR JK RA DIP WITH LED  
MAGNETICS FOR IR REFLOW (LEAD FREE VERSION)

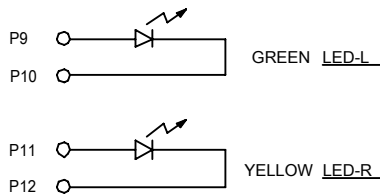
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: **SD-48025-006**

DOC TYPE: PSD    DOC PART: 001    REVISION: D



**MAGNETIC SCHEMATIC**



**LED SCHEMATIC**

**MAGNETIC ELECTRICAL SPECIFICATION**

PARAMETER	SPECIFICATIONS		
	100 KHz	1-125 MHz	
INSERTION LOSS	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 <sub>10</sub> (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 <sub>10</sub> (f/10) dB MIN.	
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz	
	50 dB MIN	15-20*LOG <sub>10</sub> (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

<b>SYMBOLS</b> DIMENSION UNITS: mm SCALE: 1:1 CURRENT REV DESC: GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.25 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A4-SIZE SERIES: 48025 MATERIAL NUMBER: 480250002 CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	<b>molex</b>		
	MODR JK RA DIP WITH LED MAGNETICS FOR IR REFLOW (LEAD FREE VERSION)		
	PRODUCT CUSTOMER DRAWING		
	EC NO: 173394	2018/03/09	DOCUMENT NUMBER: SD-48025-006
	DRWN: MFAN08	2018/03/09	DOC TYPE: PSD
	CHK'D: MFAN08	2018/03/09	DOC PART: 001
	APPR: XQHE	2018/03/10	REVISION: D
	INITIAL REVISION: DRWN: RLI09 APPR: RZHANG	2012/05/11 2012/06/22	