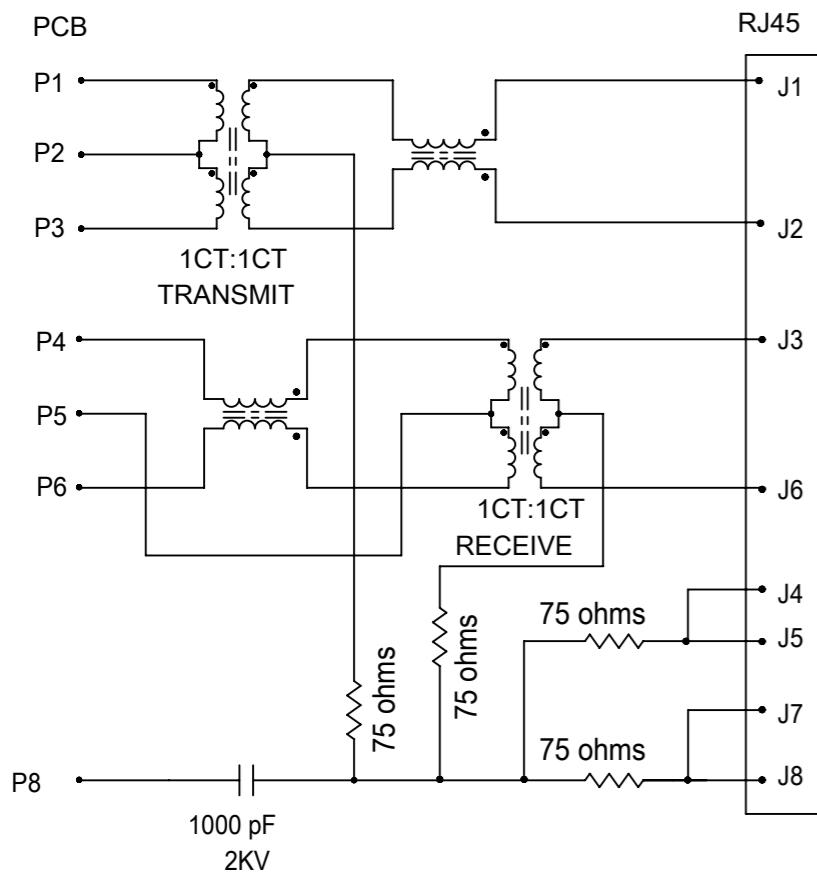


- NOTES:**
- MATERIAL:**
METAL SHELL: BRASS.
HOUSING: HIGH TEMP THERMOPLASTIC, UL94-0, COLOR BLACK.
INSERT: HIGH TEMP THERMOPLASTIC, UL94-0, COLOR BLACK.
TERMINAL: PHOSPHOR BRONZE.
 - PLATING:**
TERMINAL:
CONTACT AREA: GOLD(Au), THICKNESS=50 MICROINCH/1.27 MICROMETER.
SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH MINIMUM/2.54 MICROMETER.
UNDER PLATE: NICKEL (Ni). THICKNESS=50 MICROINCH/1.27 MICROMETER.
METAL SHELL:
SOLDER TAIL: PRE-SOLDER TIN(Sn)
UNDER PLATE: NICKEL (Ni), (SOLDERING AVAILABLE)
THICKNESS=50 MICROINCH MINIMUM.
SURFACE APPEARANCE: BRIGHT.
 - RECOMMENDED PCB THICKNESS: 1.60±0.05
 - PRODUCT SPECIFICATION REFER TO PS-48025-092
 - TEST SUMMARY REFER TO TS-48025-092
 - PACKAGING SPECIFICATION REFER TO PK-48025-092
 - LEAD FREE AND RoHS AND SILICON FREE 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			
	DIMENSION UNITS	SCALE							EC NO: 177236
▽ = 0	mm	2:1	DRWN: GB	2018/05/10	PRODUCT CUSTOMER DRAWING				
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: JKACHLIC	2018/05/25	DOCUMENT NUMBER				
▽ = 0	ANGULAR TOL ± 3.0°		APPR: JKACHLIC	2018/05/25	SD-48025-013		DOC TYPE	DOC PART	REVISION
▽ = 0	4 PLACES ±		INITIAL REVISION:		2014/06/26		PSD 001 B		
▽ = 0	3 PLACES ±		DRWN: FYANG05		2014/11/06		MATERIAL NUMBER		
▽ = 0	2 PLACES ± 0.25		APPR: RZHANG		48025		CUSTOMER		
▽ = 0	1 PLACE ± 0.25		THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER		
▽ = 0	0 PLACES ±		DRAWING		A3-SIZE		1 OF 2		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES		48025		GENERAL MARKET		



MAGNETIC SCHEMATIC

- TEST NOTES:
 UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT 25°C±5°C.
- 1.0 HIPOT(100%):
 - 1.1 FIGURE 8. APPLY 2250VDC FOR 10 SEC FROM PCB PINS(1,2,3,4,5,6,7,8) & LED PINS(9,10,11,12) & SHIELD TO CABLE PINS(1,2,3,4,5,6,7,8) MAX. LEAKAGE CURRENT=2mA
 - 1.2 FIGURE 9. APPLY 500VDC FOR 10 SEC BETWEEN ALL PCB PINS & ALL LED PINS TO SHIELD MAX. LEAKAGE CURRENT=1mA
 - 2.0 OCL:100% 100 KHz. 100 mV. 8mADC BIAS
 PCB(1-3) & CABLE(3-6)=440µH MIN.
 - 3.0 OPENS AND SHORTS(100%):PER PQ 3.064,000
 - 3.1 VERIFY FOLLOWING CONTINUITY:
 - PCB(2-1)=(2-3)=0.7 OHMS MAXIMUM
 - PCB(4-5)=(6-5)=0.8 OHMS MAXIMUM
 - CABLE(1-2)=(3-6)=1.5 OHMS MAXIMUM
 - CABLE(1-3)=(2-6)=140 TO 160 OHMS
 - CABLE(4-5)=(7-8)=0.5 OHMS MAXIMUM
 - CABLE(1-4)=(1-8)=CABLE(5-8)=140 TO 160 OHMS
 - CABLE(3-5)=(3-7)=140 TO 160 OHMS
 - 3.2 VERIFY OPEN (RESISTANCE>10 MEGOHMS)
 PCB(3) TO PCB(4), PCB(6) TO PCB(7), PCB(6) TO PCB(8),
 PCB(7) TO PCB(8); LED(9,10,11,12) TO PCB(1,2,3,4,5,6,7,8).
 - 4.0 CAPACITANCE:(100%) 1KHz,1V
 PCB(8) TO CABLE(8)=0.001µF±25%
 - 5.0 LED OPERATION:(100%)SEE FIGURE 10
 SET 9.0 VOLT POWER SUPPLY TO CURRENT LIMIT AT 20 mA MAXIMUM.
 INSERT MODULE INTO FIXTURE AND VERIFY BOTH LEDS LIGHT AND
 ARE IN THEIR PROPER LOCATION.
 - 6.0 TURNS RATIO:(100%) TEST AT 100 KHz,100mV
 PCB(1-3)/CABLE(1-2)=PCB(4-6)/CABLE(3-6)=1.00±2%

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	I _F =20mA
FORWARD VOLTAGE	2.1	MAX.=2.5	2.2	MAX.=2.5	V	I _F =20mA

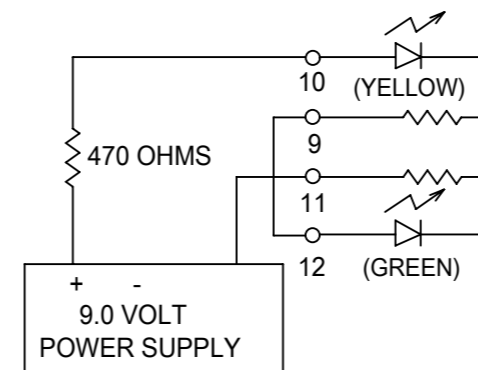


FIGURE 10

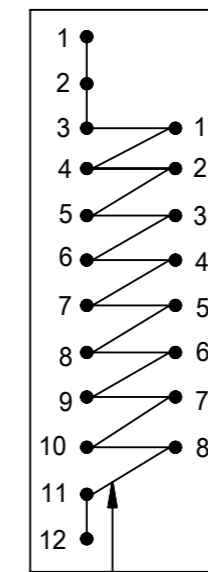


FIGURE 9

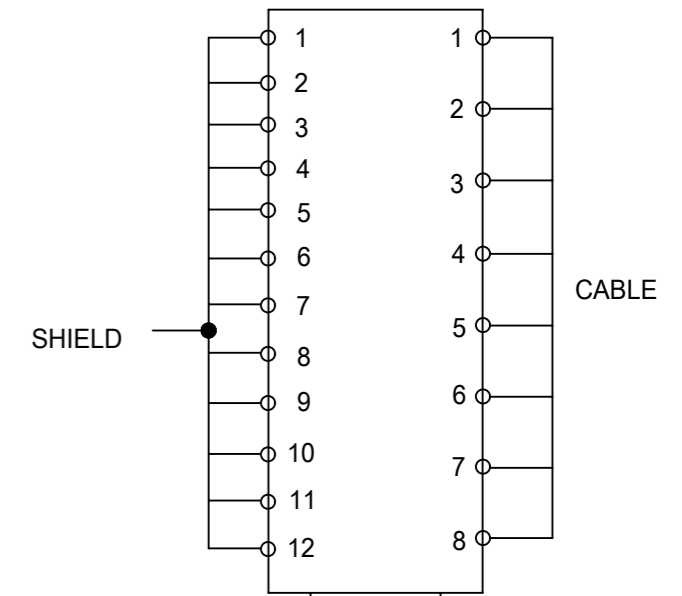
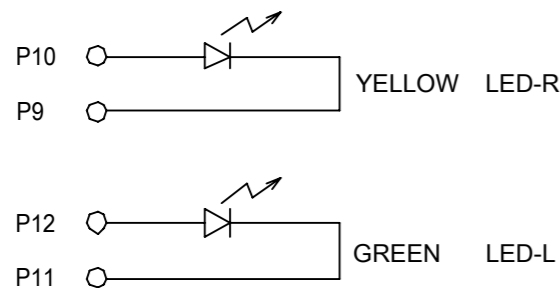
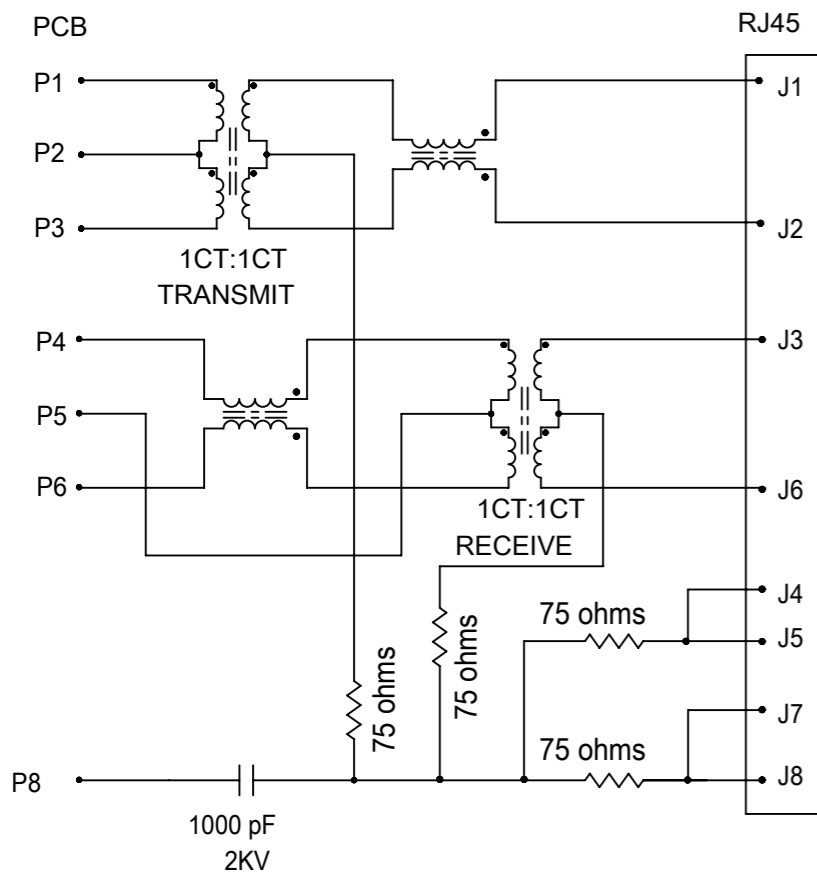


FIGURE 8



LED SCHEMATIC

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC:
▽ = 0	mm	1:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 3.0°	
▽ = 0	4 PLACES	±	EC NO: 177236
▽ = 0	3 PLACES	±	DRWN: GB 2018/05/10
▽ = 0	2 PLACES	± 0.25	CHK'D: JKACHLIC 2018/05/25
▽ = 0	1 PLACE	± 0.25	APPR: JKACHLIC 2018/05/25
▽ = 0	0 PLACES	±	INITIAL REVISION:
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
▽ = 0		A3-SIZE	48025
		MATERIAL NUMBER	CUSTOMER
		48025-1092	GENERAL MARKET
		DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
		SD-48025-013	PSD 001 B
DOCUMENT STATUS		P1	RELEASE DATE
P1		2018/05/25	08:17:21



MAGNETIC SCHEMATIC

- TEST NOTES:
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 - 1.1 FIGURE 8. APPLY 2250VDC FOR 10 SEC FROM PCB PINS(1,2,3,4,5,6,7,8) & LED PINS(9,10,11,12) & SHIELD TO CABLE PINS(1,2,3,4,5,6,7,8) MAX. LEAKAGE CURRENT=2mA
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PCB(1-3) & CABLE(3-6)=440µH MIN.
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 - 3.1 VERIFY FOLLOWING CONTINUITY:
PCB(2-1)=(2-3)=0.7 OHMS MAXIMUM
PCB(4-5)=(6-5)=0.8 OHMS MAXIMUM
CABLE(1-2)=(3-6)=1.5 OHMS MAXIMUM
CABLE(1-3)=(2-6)=140 TO 160 OHMS
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CABLE(1-4)=(1-8)=CABLE(5-8)=140 TO 160 OHMS
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 - 3.2 VERIFY OPEN (RESISTANCE>10 MEGOHMS)
PCB(3) TO PCB(4), PCB(6) TO PCB(7), PCB(6) TO PCB(8).
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PCB(8) TO CABLE(8)=0.001µF±25%
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SET 9.0 VOLT POWER SUPPLY TO CURRENT LIMIT AT 20 mA MAXIMUM.
INSERT MODULE INTO FIXTURE AND VERIFY BOTH LEDS LIGHT AND ARE IN THEIR PROPER LOCATION.
 - 6.0 TURNS RATIO:(100%) TEST AT 100 KHz,100mV
PCB(1-3)/CABLE(1-2)=PCB(4-6)/CABLE(3-6)=1.00±2%

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

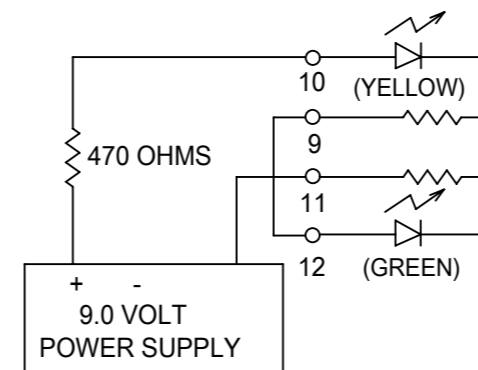


FIGURE 10

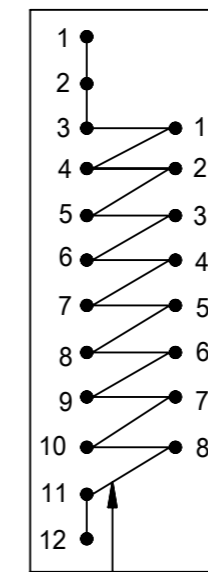


FIGURE 9

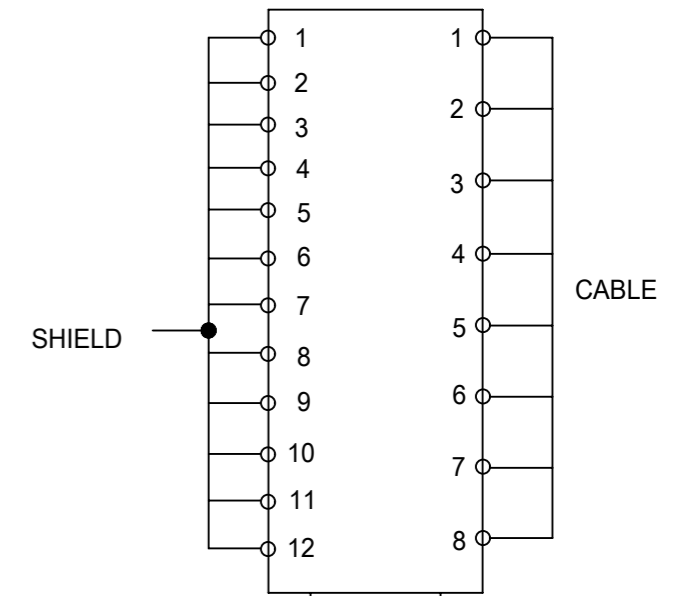
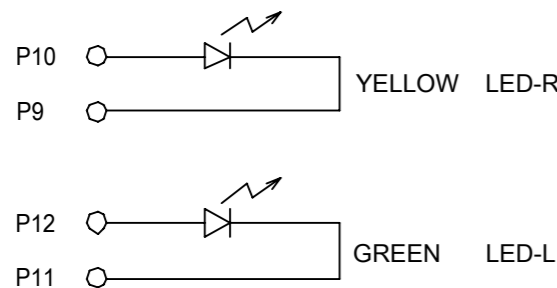


FIGURE 8



LED SCHEMATIC

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC:
▽ = 0	mm	1:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 3.0 °	EC NO: 177236
▽ = 0	4 PLACES	±	DRWN: GB 2018/05/10
▽ = 0	3 PLACES	±	CHK'D: JKACHLIC 2018/05/25
▽ = 0	2 PLACES	± 0.25	APPR: JKACHLIC 2018/05/25
▽ = 0	1 PLACE	± 0.25	INITIAL REVISION:
▽ = 0	0 PLACES	±	DRWN: DBFAN 2016/09/28
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
		A3-SIZE	48025
		MATERIAL NUMBER	CUSTOMER
		48025-1092	GENERAL MARKET
		DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
		SD-48025-092	PSD 001 D
		SHEET NUMBER	
		2 OF 2	

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