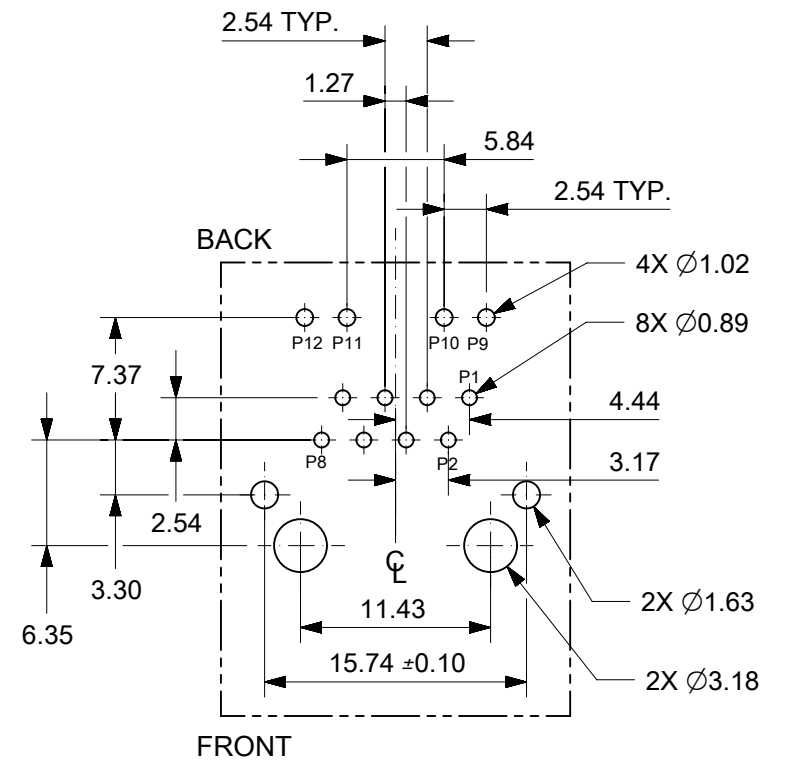
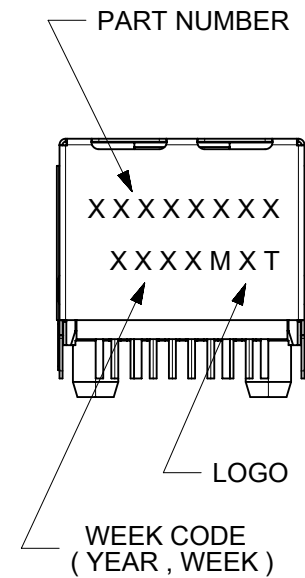
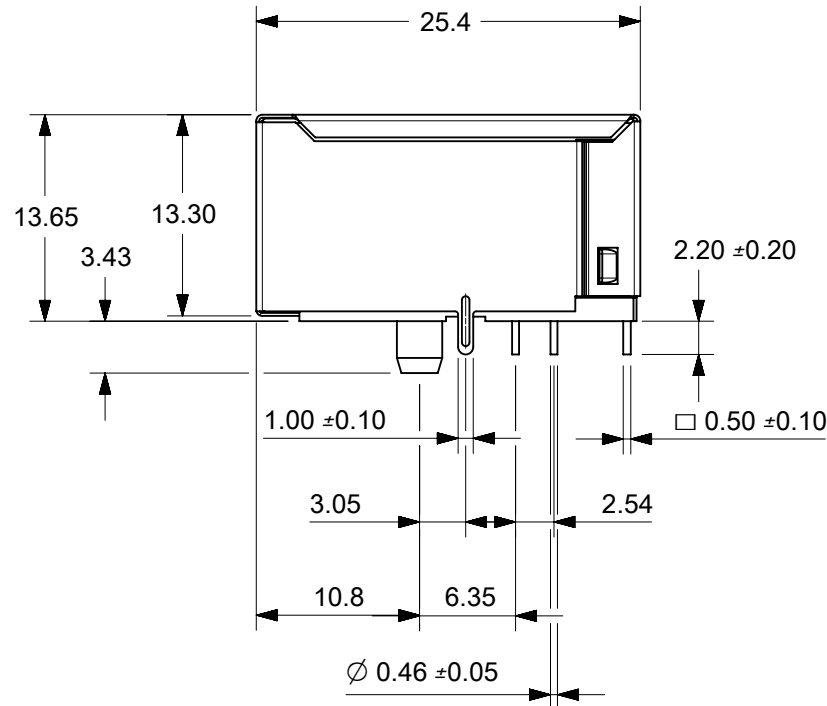
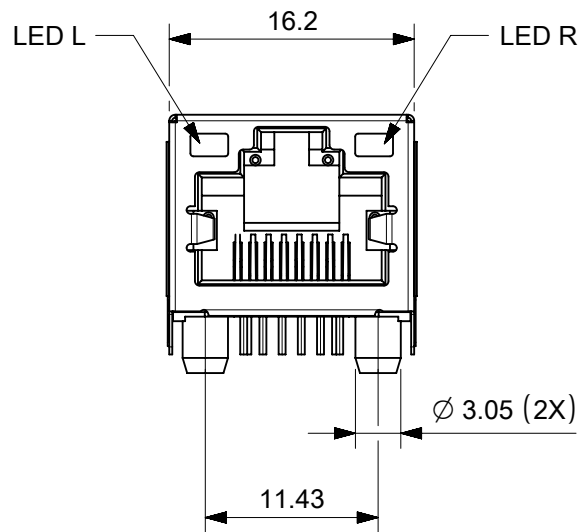
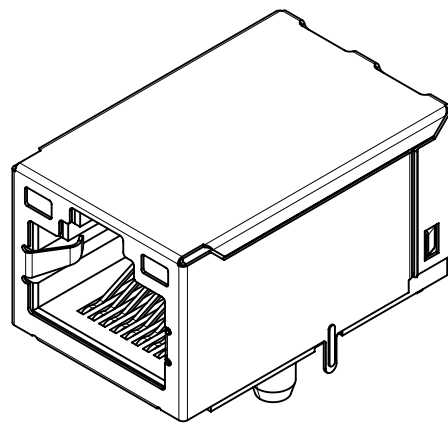
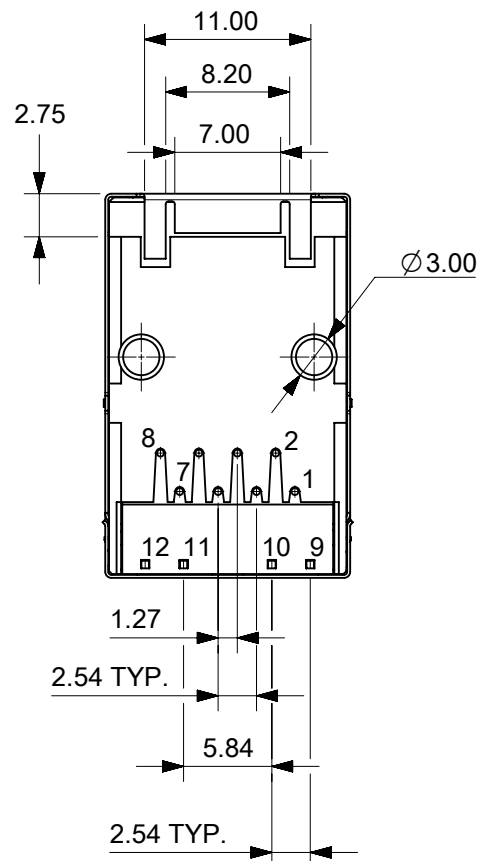
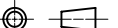


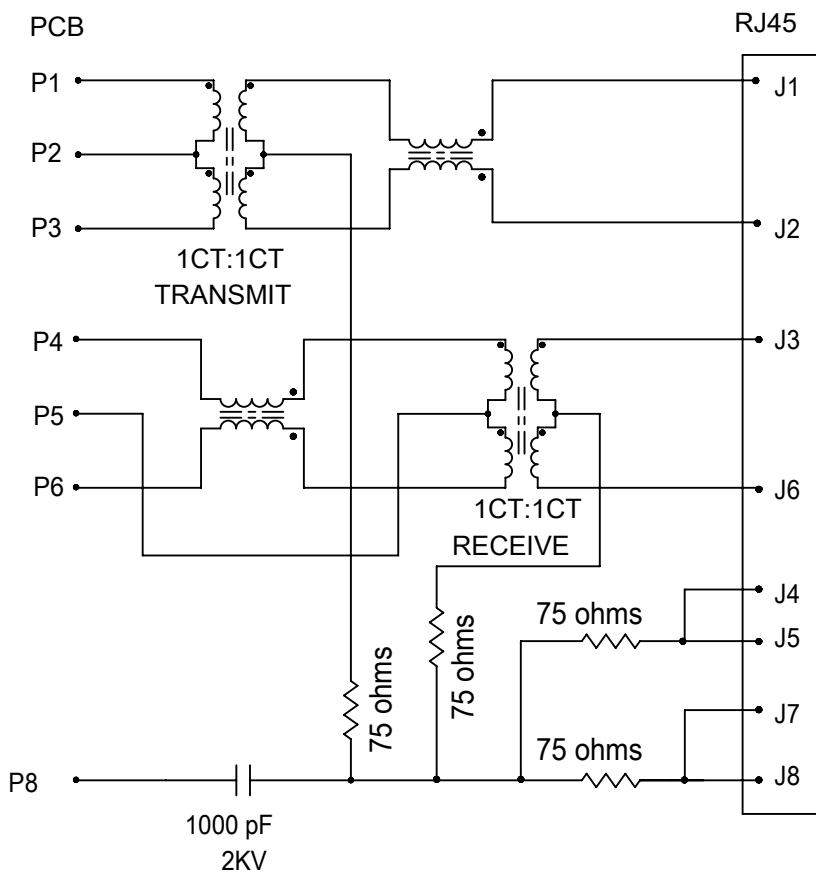


P.C.B LAYOUT
TOLERANCE:±0.05(TOP VIEW)



- NOTES:
- 1.MATERIAL:
METAL SHELL: BRASS.
HOUSING: HIGH TEMP THERMOPLASTIC,UL94-0,COLOR BLACK.
INSERT: HIGH TEMP THERMOPLASTIC,UL94-0,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/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.
 - 3.RECOMMENDED PCB THICKNESS: 1.60±0.05
 - 4.PRODUCT SPECIFICATION REFER TO PS-48025-092
 - 5.TEST SUMMARY REFER TO TS-48025-092
 - 6.PACKAGING SPECIFICATION REFER TO PK-48025-092
 - 7.LEAD FREE AND RoHS AND SILICON FREE COMPLIANT PRODUCT

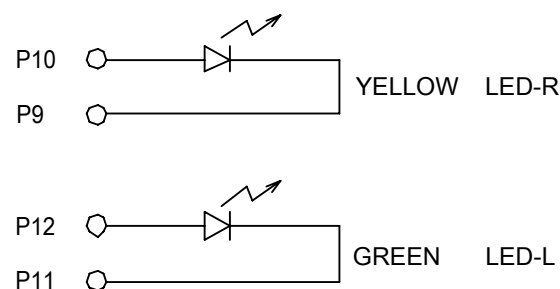
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 177236 DRWN: GB 2018/05/10 CHK'D: JKACHLIC 2018/05/25 APPR: JKACHLIC 2018/05/25 INITIAL REVISION: DRWN: FYANG05 2014/06/26 APPR: RZHANG 2014/11/06					molex MODULAR JACK INTERGRATED MAGNETICS WITH LED						
	mm		2:1													
 = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)														
 = 0		ANGULAR TOL ± 3.0°														
 = 0		4 PLACES ±		PRODUCT CUSTOMER DRAWING												
 = 0		3 PLACES ±														
 = 0		2 PLACES ± 0.25														
 = 0		1 PLACE ± 0.25		DOCUMENT NUMBER SD-48025-013					DOC TYPE PSD		DOC PART 001		REVISION B			
 = 0		0 PLACES ±														
 = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 48025		MATERIAL NUMBER 48025-1092		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 2	



MAGNETIC SCHEMATIC

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	$I_F=20\text{mA}$
FORWARD VOLTAGE	2.1	MAX.=2.5	2.2	MAX.=2.5	V	$I_F=20\text{mA}$



LED 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%

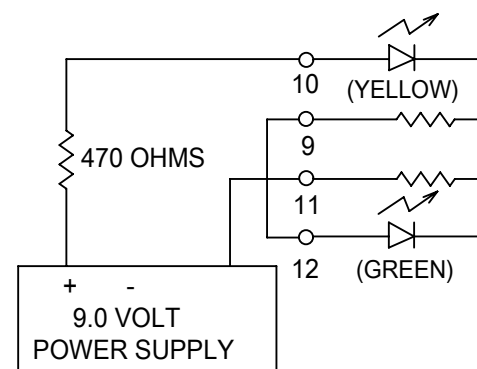


FIGURE 10

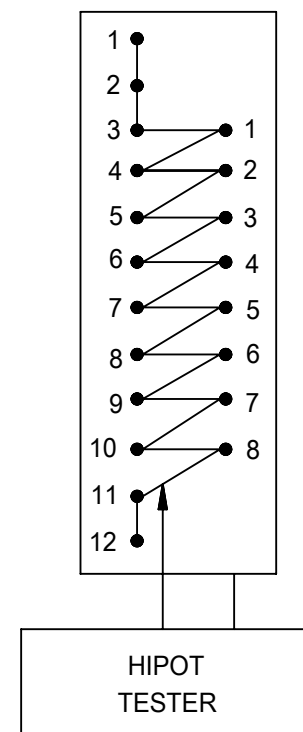


FIGURE 9

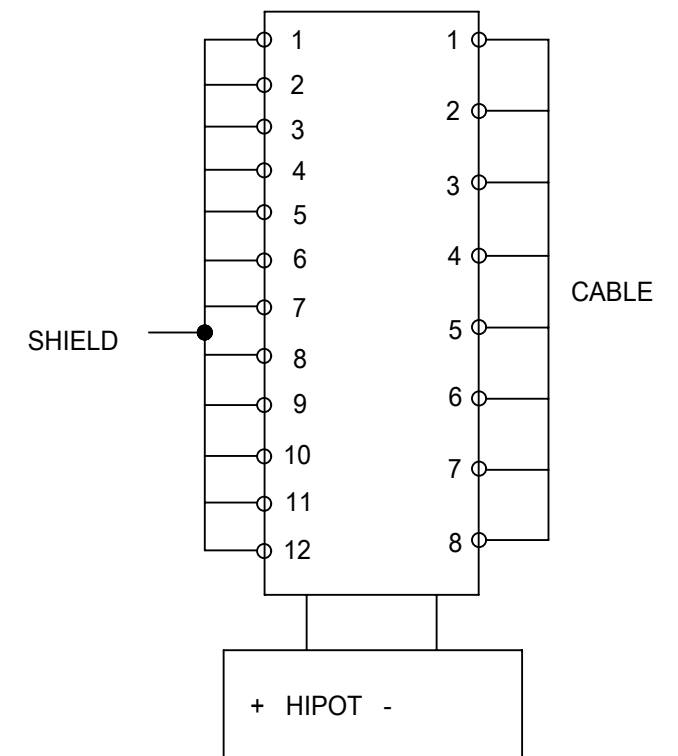
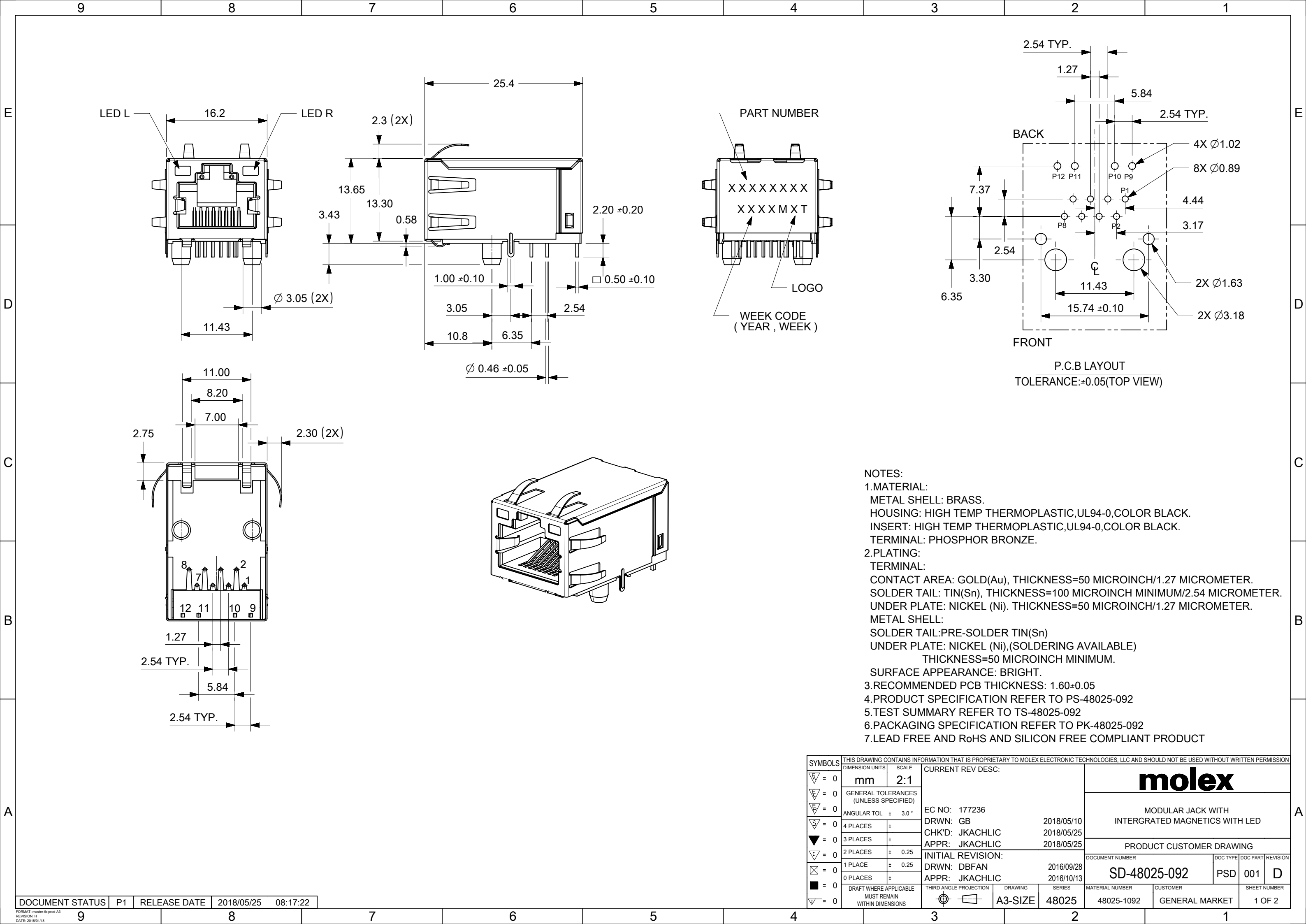


FIGURE 8

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:					molex						
	mm		1:1													
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 177236 DRWN: GB 2018/05/10 CHK'D: JKACHLIC 2018/05/25 APPR: JKACHLIC 2018/05/25 INITIAL REVISION: DRWN: FYANG05 2014/06/26 APPR: RZHANG 2014/11/06					MODULAR JACK INTERGRATED MAGNETICS WITH LED						
= 0																
= 0																
ANGULAR TOL ± 3.0 °																
= 0	4 PLACES ±															
= 0	3 PLACES ±				PRODUCT CUSTOMER DRAWING											
= 0	2 PLACES ± 0.25															
= 0	1 PLACE ± 0.25				DOCUMENT NUMBER					DOC TYPE		DOC PART		REVISION		
= 0	0 PLACES ±				SD-48025-013					PSD		001		B		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
= 0									A3-SIZE		48025		48025-1092		GENERAL MARKET	



NOTES:

1.MATERIAL:
METAL SHELL: BRASS.
HOUSING: HIGH TEMP THERMOPLASTIC,UL94-0,COLOR BLACK.
INSERT: HIGH TEMP THERMOPLASTIC,UL94-0,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/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.

3.RECOMMENDED PCB THICKNESS: 1.60±0.05

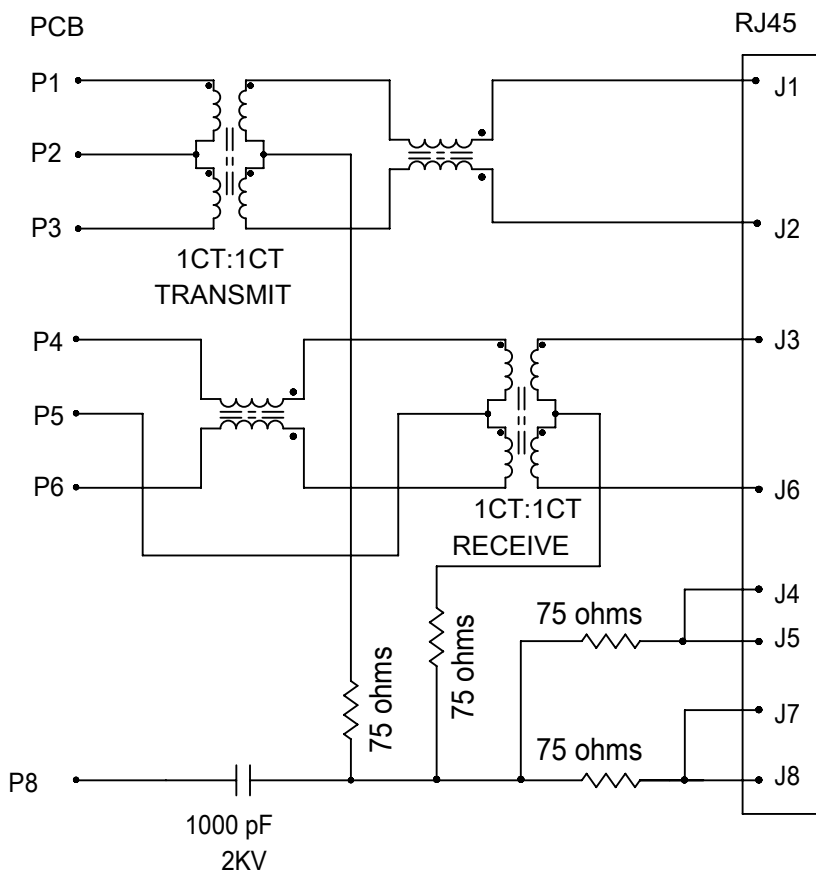
4.PRODUCT SPECIFICATION REFER TO PS-48025-092

5.TEST SUMMARY REFER TO TS-48025-092

6.PACKAGING SPECIFICATION REFER TO PK-48025-092

7.LEAD FREE AND RoHS AND SILICON FREE COMPLIANT PRODUCT

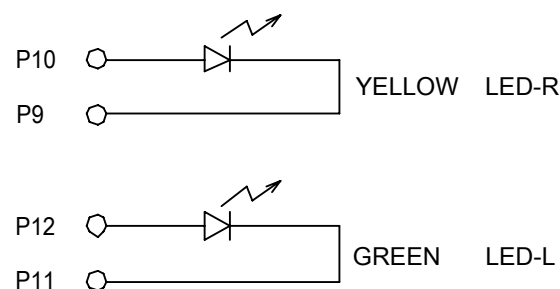
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex								
	mm		2:1															
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 177236 DRWN: GB 2018/05/10 CHK'D: JKACHLIC 2018/05/25 APPR: JKACHLIC 2018/05/25					MODULAR JACK WITH INTERGRATED MAGNETICS WITH LED								
 = 0																		
 = 0	ANGULAR TOL ± 3.0 °				PRODUCT CUSTOMER DRAWING													
 = 0	4 PLACES ±		INITIAL REVISION: DRWN: DBFAN 2016/09/28 APPR: JKACHLIC 2016/10/13							DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
 = 0	3 PLACES ±									SD-48025-092		PSD		001		D		
 = 0	2 PLACES ± 0.25																	
 = 0	1 PLACE ± 0.25		THIRD ANGLE PROJECTION 		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER									
 = 0	0 PLACES ±				48025-1092		GENERAL MARKET											
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING		SERIES											
= 0					A3-SIZE		48025				1 OF 2							



MAGNETIC SCHEMATIC

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



LED 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%

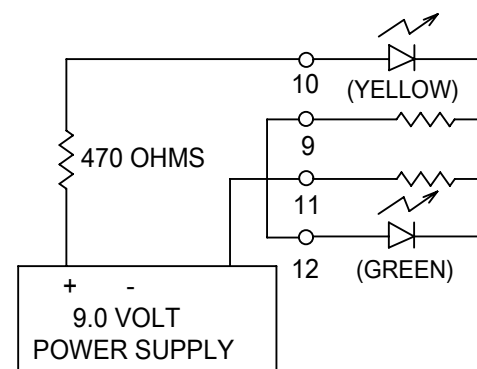


FIGURE 10

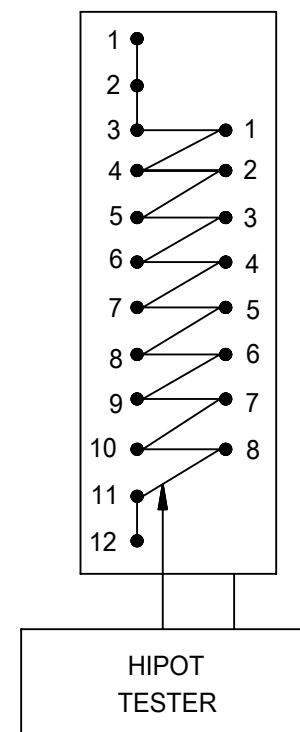


FIGURE 9

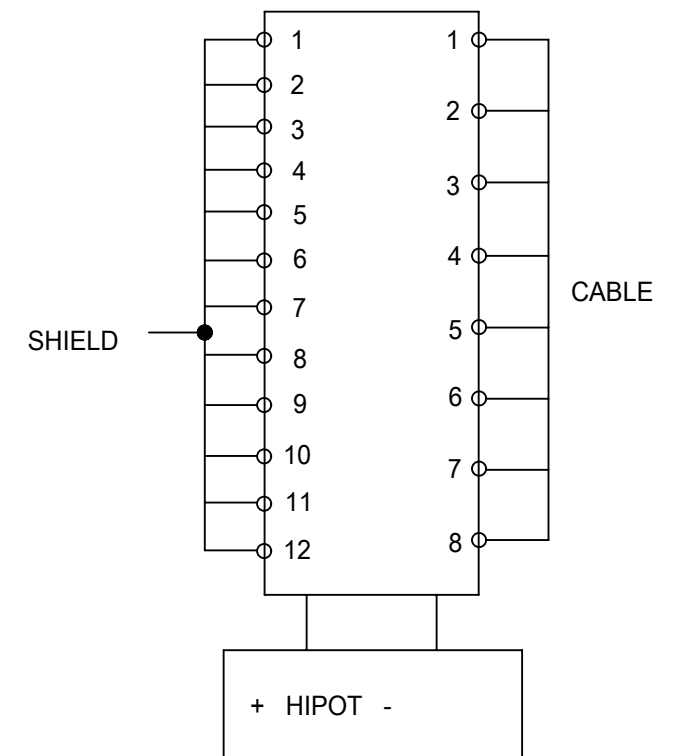


FIGURE 8

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: EC NO: 177236 DRWN: GB 2018/05/10 CHK'D: JKACHLIC 2018/05/25 APPR: JKACHLIC 2018/05/25 INITIAL REVISION: DRWN: DBFAN 2016/09/28 APPR: JKACHLIC 2016/10/13			molex MODULAR JACK WITH INTERGRATED MAGNETICS WITH LED							
	mm		1:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)															
= 0	ANGULAR TOL ± 3.0 °		PRODUCT CUSTOMER DRAWING												
= 0	4 PLACES ±														
= 0	3 PLACES ±														
= 0	2 PLACES ± 0.25														
= 0	1 PLACE ± 0.25		THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
= 0	0 PLACES ±														
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3-SIZE		48025		48025-1092		GENERAL MARKET		2 OF 2				