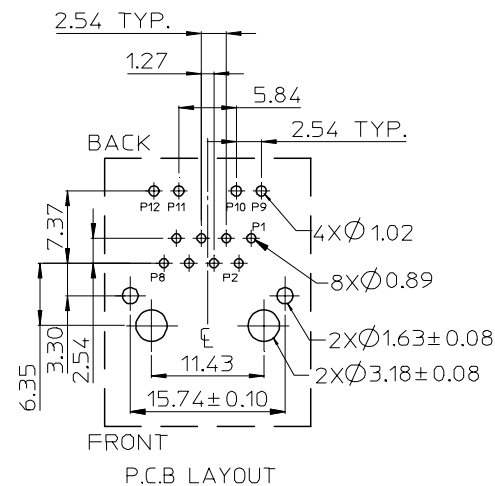
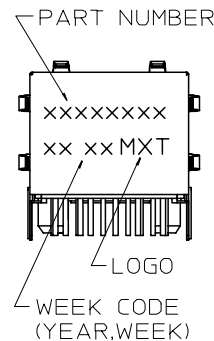
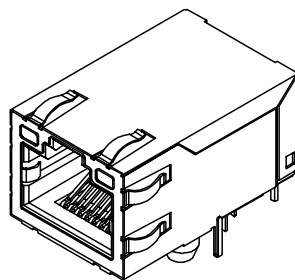
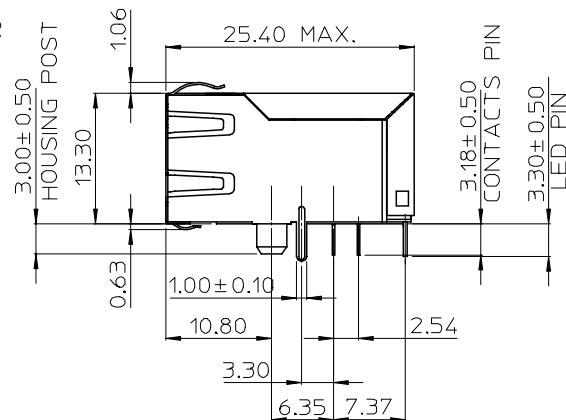
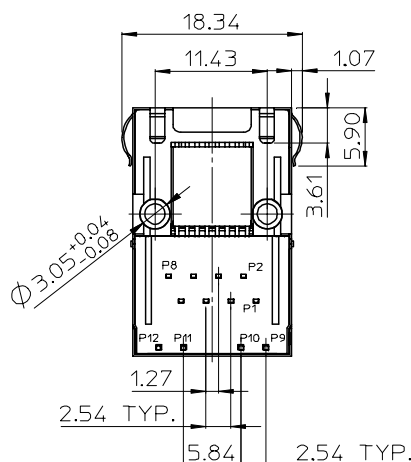
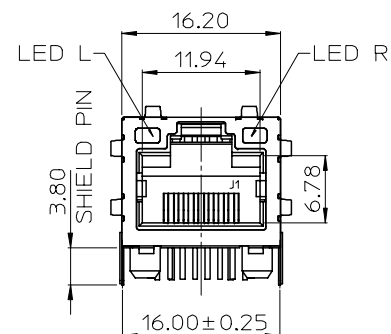


10 9 8 7 6 5 4 3 2 1



NOTES:

- 1.MATERIAL:
METAL SHELL: BRASS
HOUSING: POLYAMIDE, GLASS FIBER FILLED, UL94-0.COLOR BLACK
INSERT: POLYAMIDE, GLASS FIBER FILLED, 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
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-48025-009
- 6.PACKAGING SPECIFICATION REFER TO PK-48025-001
- 7.LEAD FREE AND RoHS COMPLIANT PRODUCT.

P/N	LED COLOR	
	LEFT	RIGHT
48025-1090	GREEN	GREEN
48025-1190	GREEN	YELLOW

RoHS FOR 48025-1100
EC NO: SH2007-0129
2006/10/04
DRW:ALLIN
2006/10/04
CHKD:
2006/10/04
APPR:WWSCHANG
2006/10/04

QUALITY SYMBOLS
▽=0
▽=0
REV DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
LINDA	2006/08/08
CHECKED BY	DATE
ALLEN LIN	2006/08/10
APPROVED BY	DATE
ERICK LAN	2006/08/10
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
MODULAR JACK WITH INTEGRATED MAGNETICS WITH LED			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-48025-009			SHEET NO. 1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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MAGNETIC ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO:(P4-P5-P6):(J3-J6):1CT:1CT
(P3-P2-P1):(J1-J2):1CT:1CT

2.0 INDUCTANCE:(P4-P6):350uH MIN. @0.1V,100KHz,8mA DC Bias.
(P3-P1):350uH MIN. @0.1V,100KHz,8mA DC Bias.

3.0 LEAKAGE INDUCTANCE:P6-P5-P4(WITH J6 AND J3 SHORT):0.3 MAX.@1MHz.
P3-P2-P1(WITH J2 AND J1 SHORT):0.3 MAX.@1MHz.

4.0 INTERWINDING CAPACITANCE:(P6,P5,P4) TO (J6,J3):30pf MAX @1MHz.
(P3,P2,P1) TO (J2,J1):30pf MAX @1MHz.

5.0 DC RESISTANCE:(J6-J3)=(J2-J1):1.3 ohms Max.

6.0 RETURN LOSS:(P4-P6)(P1-P3)
1MHz TO 30MHz:18dB min.
30MHz TO 80MHz:12dB min.
NOTE:100 OHMS CONNECTED TO (J2-J1) OR (J3-J6).

7.0 HI-POT:(J1,J2) TO (P1,P3):1500 VAC OR 2250 VDC.
(J3,J6) TO (P4,P6):1500 VAC OR 2250 VDC.

8.0 INSERTION LOSS:1.1 dB MAX.
100KHz TO 100MHz.

9.0 CROSS TALK:1-100 MHz:30 dB MIN.

10.0 COMMON TO COMMON MODE REJECTION:1MHz TO 100MHz:35 dB MIN.

LED ELECTRICAL SPECIFICATION

PARAMETER	YELLOW (TYP.)	GREEN (TYP.)	UNITS	TEST CONDITIONS
POWER DISSIPATION	105	105	mW	
REVERSE VOLTAGE	5	5	V	
PEAK WAVELENGTH	585	565	nm	IF=20mA
FORWARD VOLTAGE	2.1 MAX.=2.5	2.2 MAX.=2.5	V	IF=20mA

PCB

1CT:1CT

75

1CT:1CT

75

75

75

1000pF,2KV

MAGNETIC SCHEMATIC

RJ45

J1

J2

J3

J4

J5

J6

J7

J8

P10

P9

P12

P11

LED-R

LED-L

LED SCHEMATIC

SEE SHEET 1

EC NO: SH2007-0129

DRWN:ALLIN

CHKD:

APPR:WMSCHANG

REV

2006/10/04

2006/10/04

2006/10/04

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE TABLE

SIZE

A3

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

MODULAR JACK WITH
INTEGRATED MAGNETICS
WITH LED

MOLEX INCORPORATED

DOCUMENT NO.

SD-48025-009

SHEET NO.

2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb_frame_A3_P_AM_T

Rev. D 2004/06/28

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