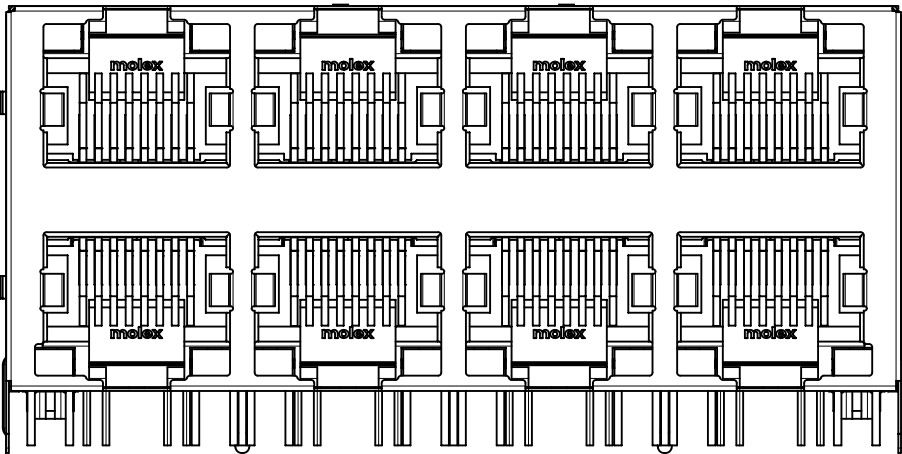
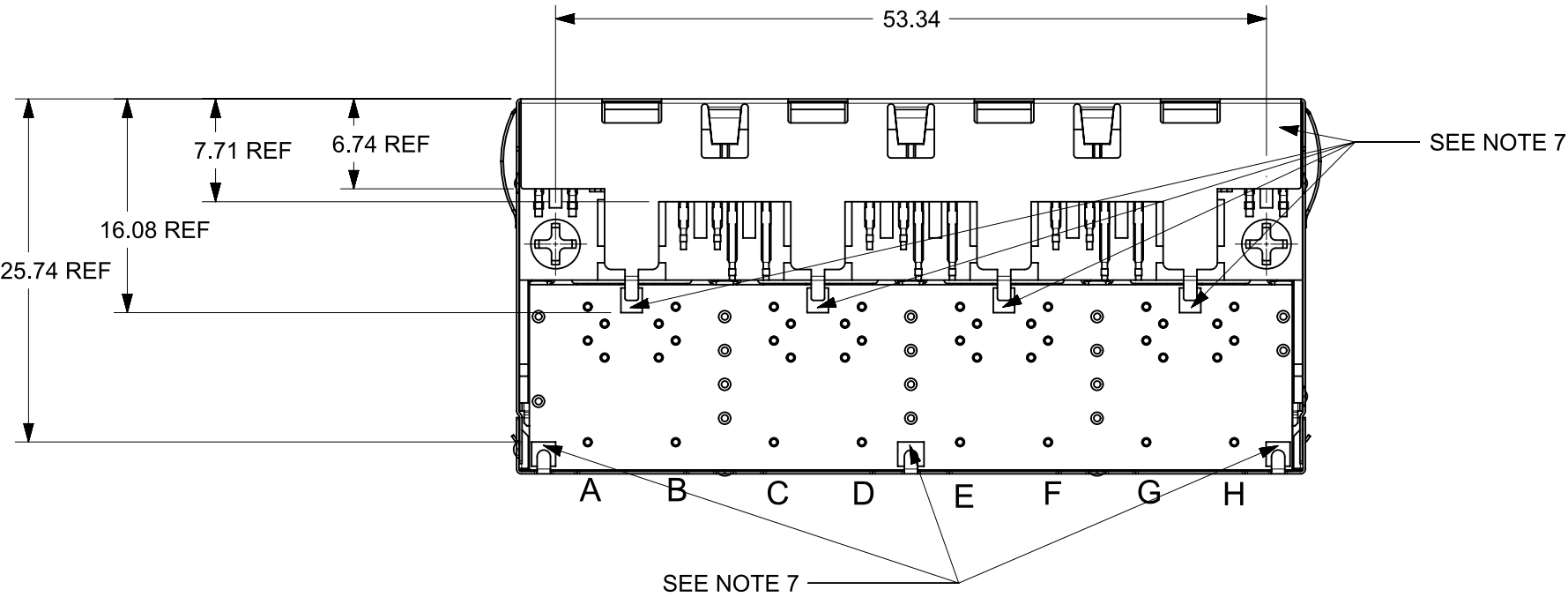
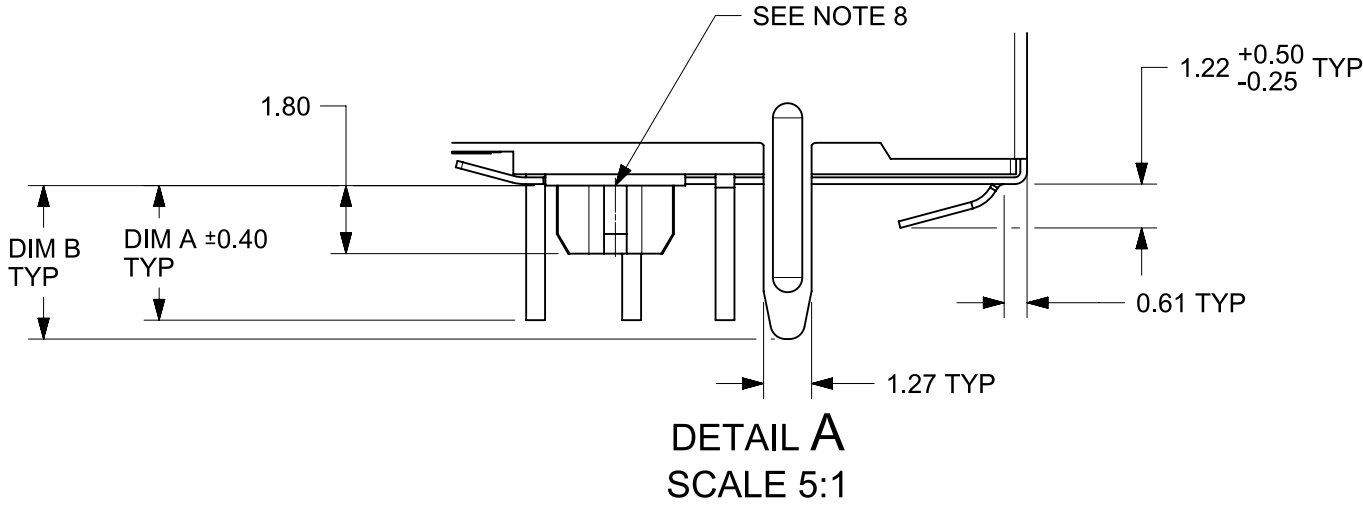
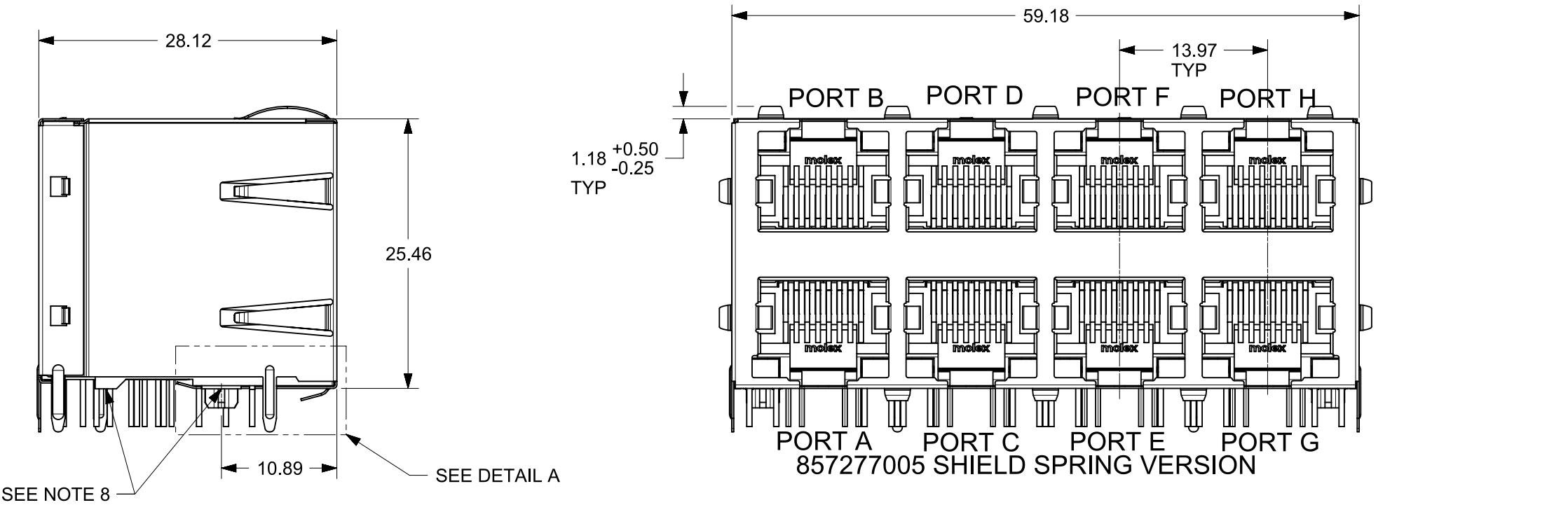


FAST ETHERNET MAGNETIC JACK 2x4 LED
WITH AND WITHOUT SHIELD SPRINGS
MINIMUM 500V ISOLATION BETWEEN
ETHERNET SIGNALS AND SHIELD



PART NUMBER	UPPER & LOWER LED LEFT	UPPER & LOWER LED RIGHT	DIM A	DIM B
85727-7005 SPRINGS	GREEN	YELLOW	3.56	4.06
85727-8006 NO SPRINGS	GREEN	YELLOW	2.40	2.40

- NOTES:
- 1 - SHIELD MATERIAL: BRASS; PLATING: NICKEL PRE-PLATING
 - 2 - PLASTIC MATERIAL: POLYESTER (PBT)BLACK, 30%GR, UL 94V-0
 - 3 - TERMINALS MATERIAL: COPPER ALLOY
RJ45 CONTACT AREA PLATING: 0.76 MICROMETER GOLD OVER 1.9 MICROMETER NICKEL
SOLDER TERMINALS: 3 MICROMETER TIN
 - 4 - MATING INTERFACE ACCORDING TO IEC 60603-7
 - 5 - PRODUCT SPECIFICATION: PS-85727-001
FOR FURTHER INFORMATION ON MAGNETICS AND LED FUNCTION REFER TO THIS SPECIFICATION
 - 6 - PACKAGING SPECIFICATION: PK-85727-001
 - 7 - TRACES WITHOUT INSULATION NOT ALLOWED IN THE DASHED AREAS.
(TO AVOID SHORTS TO SHIELD)
 - 8 - STAND OFF TO SYSTEM BOARD

REVISION CHART	
REV	CHANGE CONTENT
B2	85727-8006 SHORTEN SHIELD PIN LENGTH

FUNCTIONAL SYMBOLS

$\frac{F}{A}$

=

0

$\frac{F}{C}$

=

0

$\frac{F}{P}$

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.250

1 PLACE ± 0.50

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512604

STATUS: Production

DRWN: Vishal Ramesh Hosur

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2023-09-07

2023-10-16

2023-10-17

THIRD ANGLE PROJECTION

DRAWING

SERIES

SEE CHART

GENERAL MARKET

1 OF 4

molex

FAST ETHERNET
MAGNETIC JACK GND ISOLATION 2X4 LED

PRODUCT SALES DRAWING

DOCUMENT NUMBER

SD-85727-705

DOC TYPE

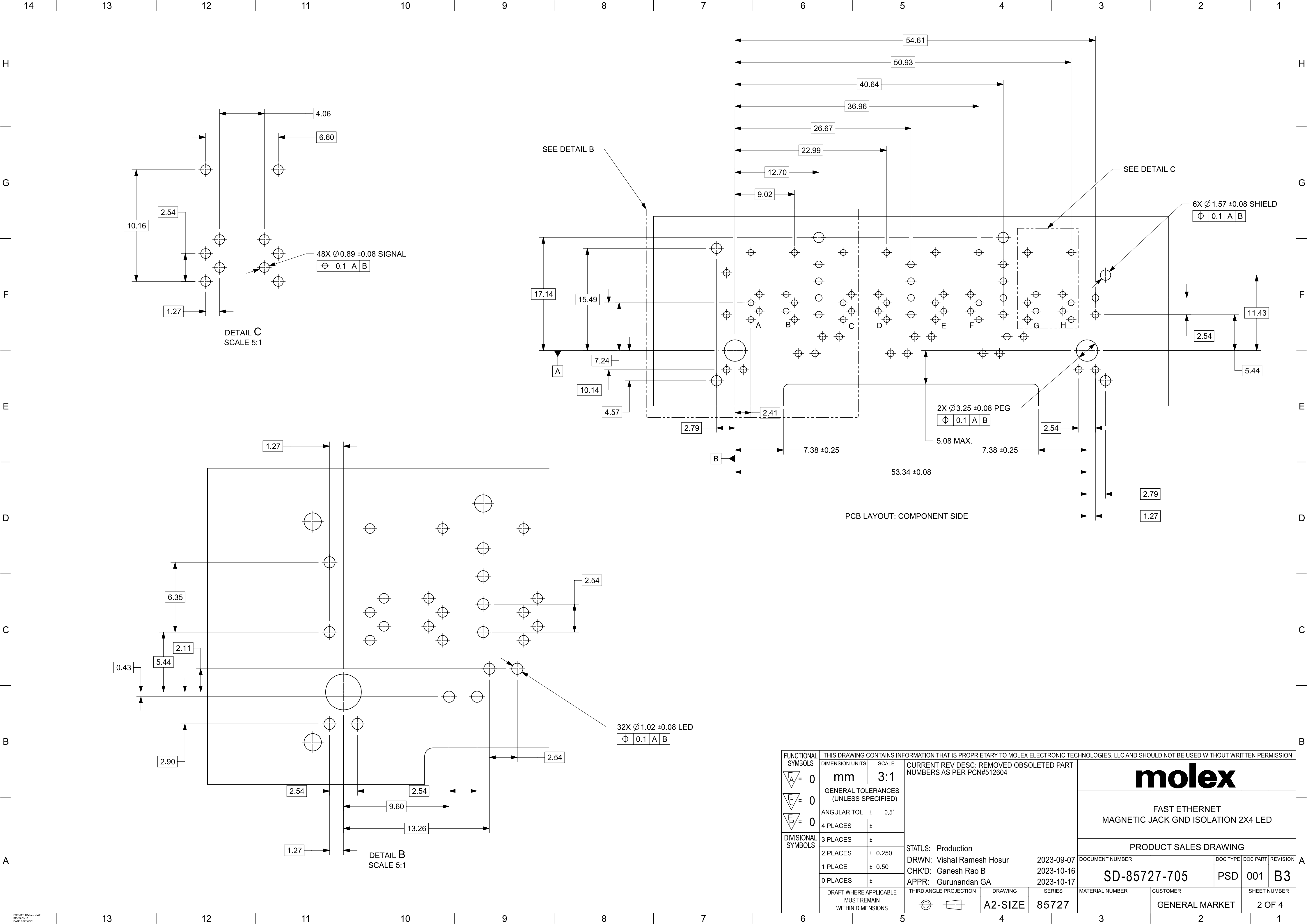
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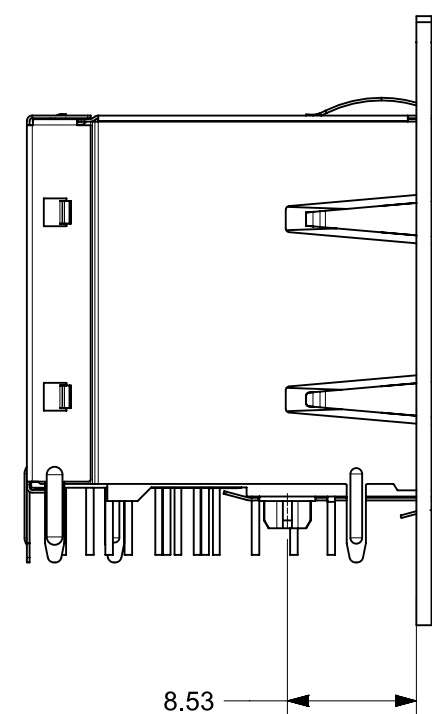
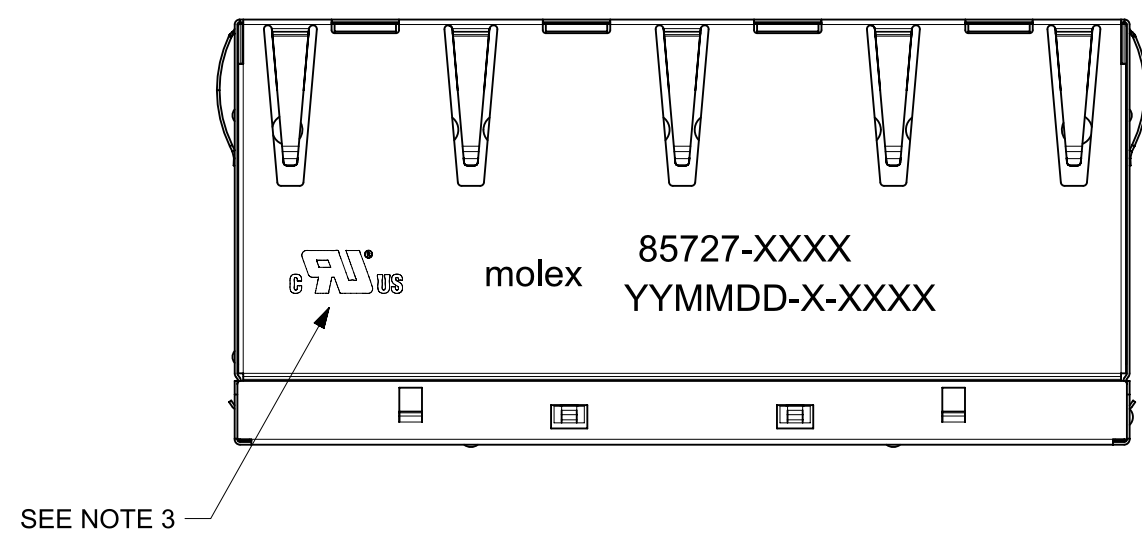
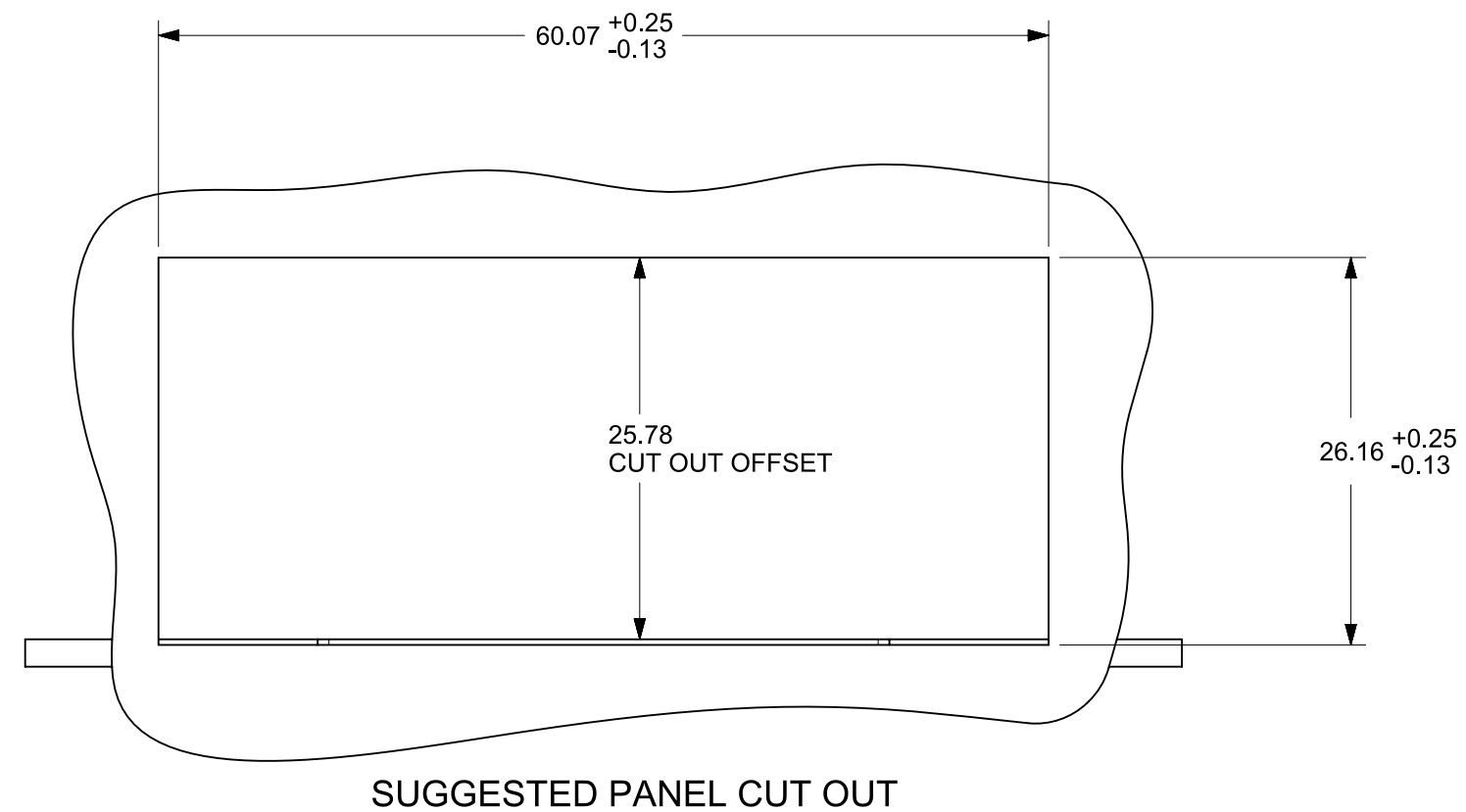
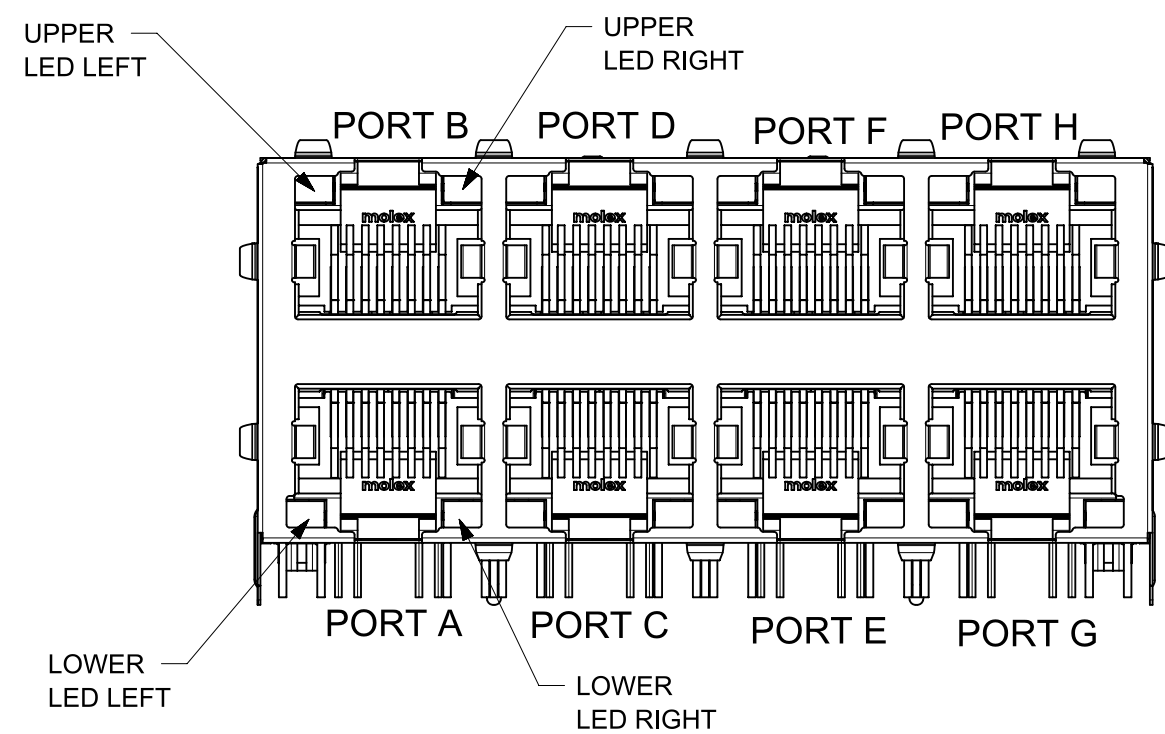
DOC PART

001

REVISION

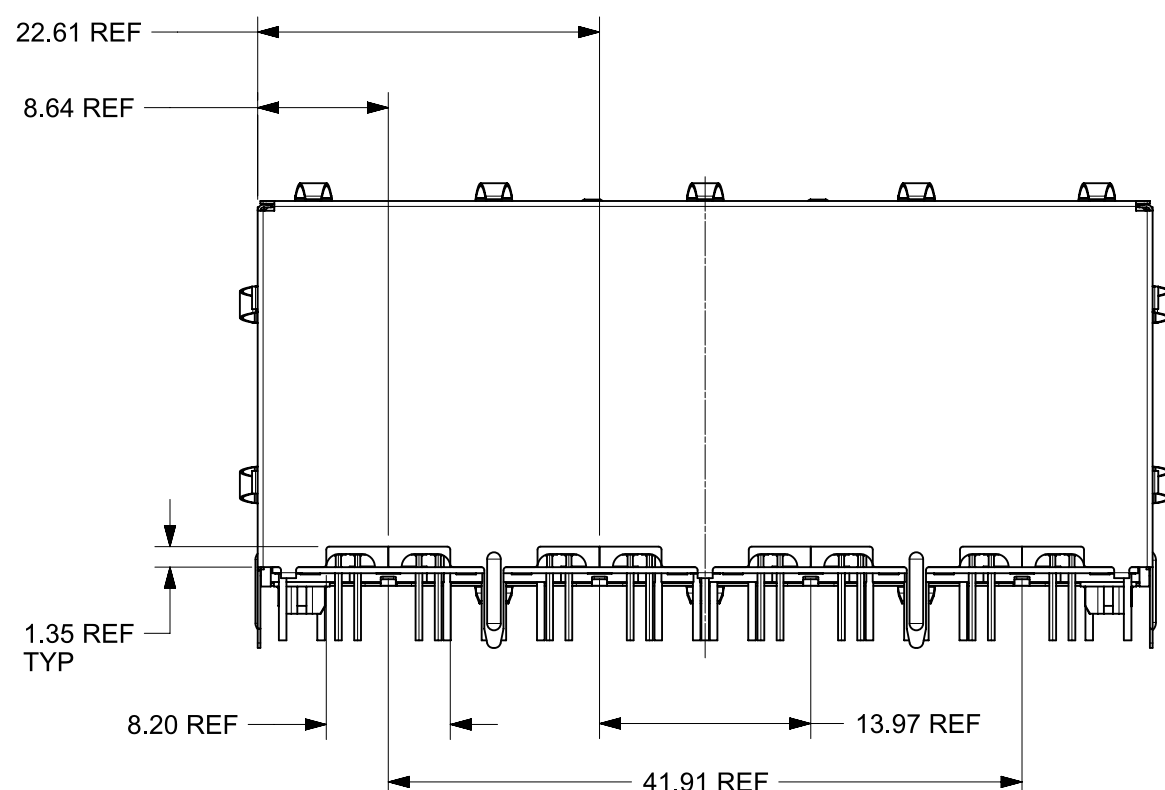
B3





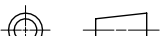
PART NUMBER	UPPER & LOWER LED LEFT	UPPER & LOWER LED RIGHT	DIM A	DIM B
85727-7005 SPRINGS	GREEN	YELLOW	3.56	4.06
85727-8006 NO SPRINGS	GREEN	YELLOW	2.40	2.40

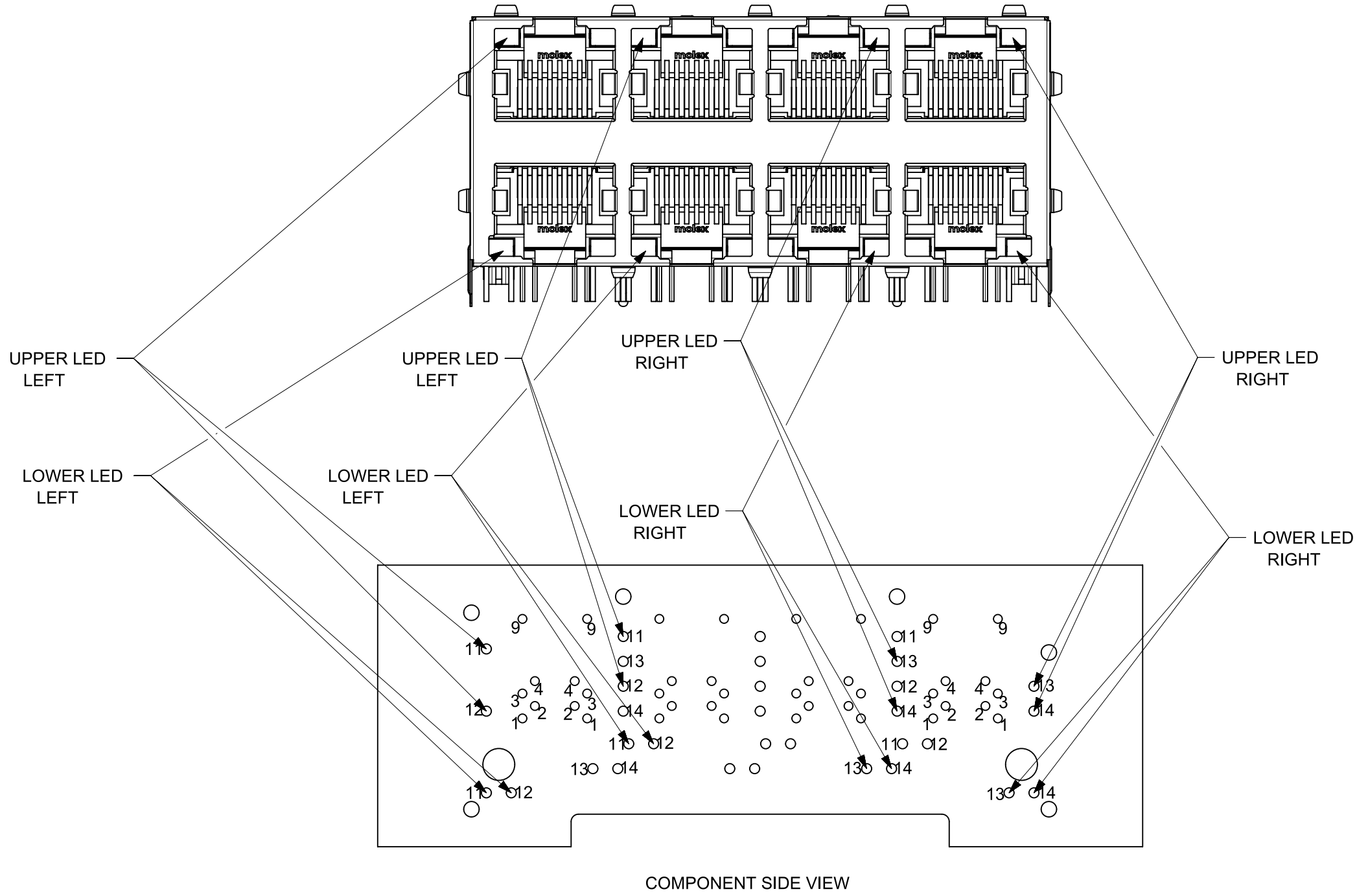
ADDITIONAL LED COLOURS AND CONFIGURATIONS
AVAILABLE ON REQUEST



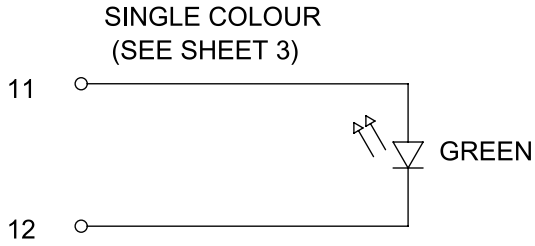
NOTED:

- 1 - PRINTING MARKED BY LASER
- 2 - INSCRIPTION:
 - 1st LINE: PART NUMBER
 - 2nd LINE: DATE CODE (YEAR,MONTH,DAY) - MANUFACTURER ID - COSECUTIVE NUMBER
- 3 - UL LOGO

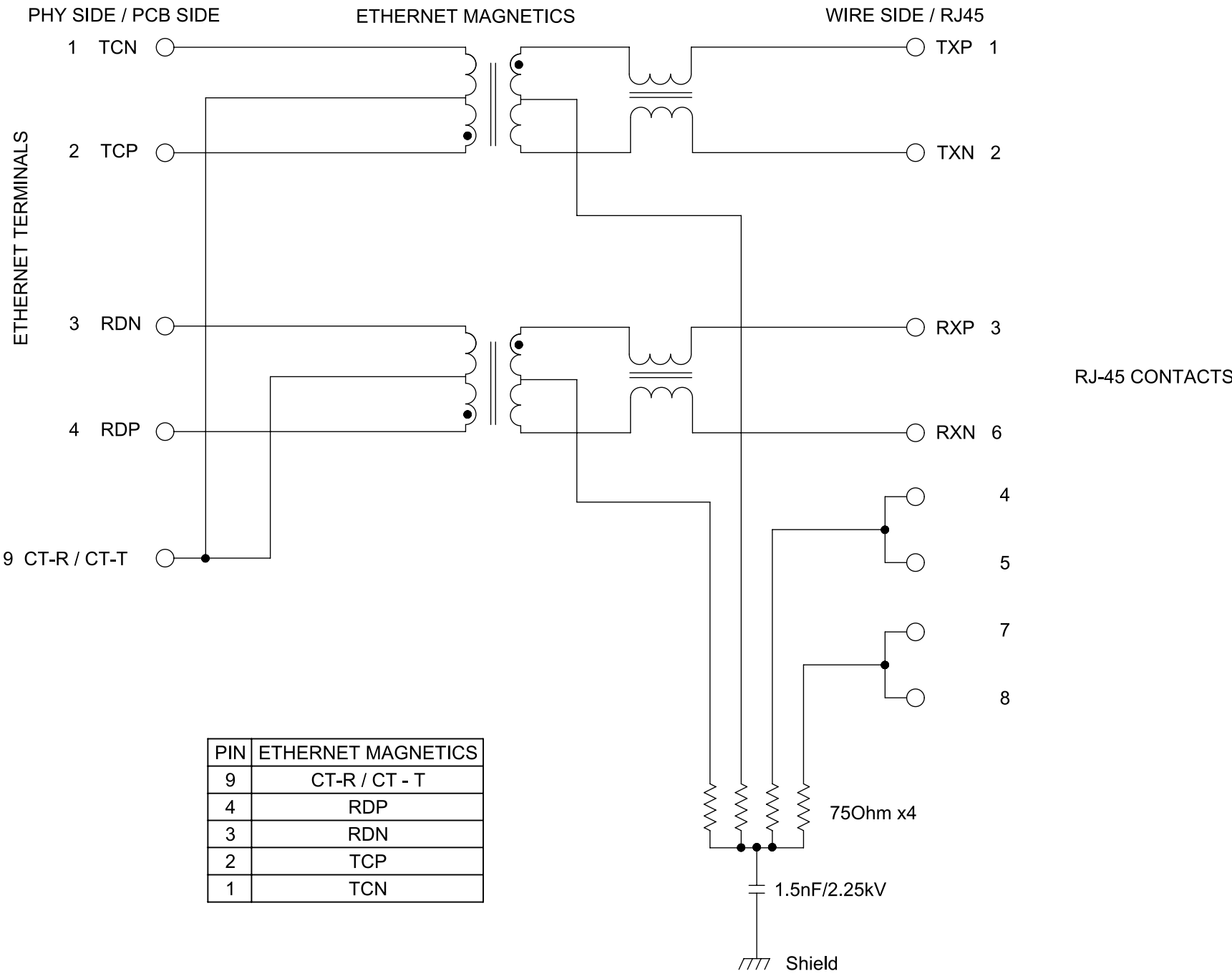
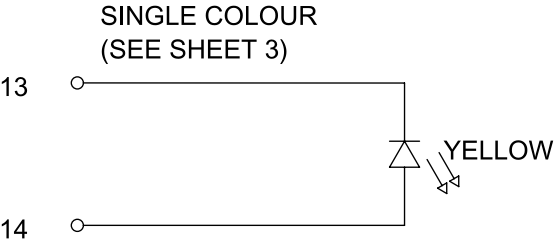
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512604			molex						
	mm		2:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				FAST ETHERNET MAGNETIC JACK GND ISOLATION 2X4 LED									
	ANGULAR TOL ± 0.5°													
	4 PLACES		±		PRODUCT SALES DRAWING									
	3 PLACES		±											
	2 PLACES		± 0.250		DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION				
1 PLACE		± 0.50												
0 PLACES		±		SD-85727-705			PSD	001	B3					
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
					A2-SIZE		85727			GENERAL MARKET		3 OF 4		



UPPER & LOWER LEFT LED	
PIN POSITON	GREEN
11	+
12	-



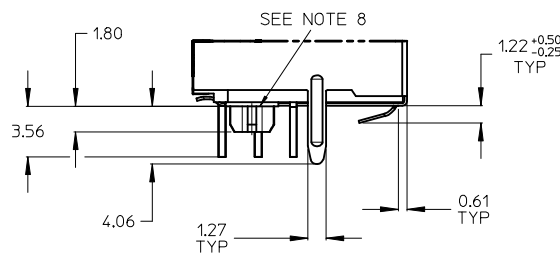
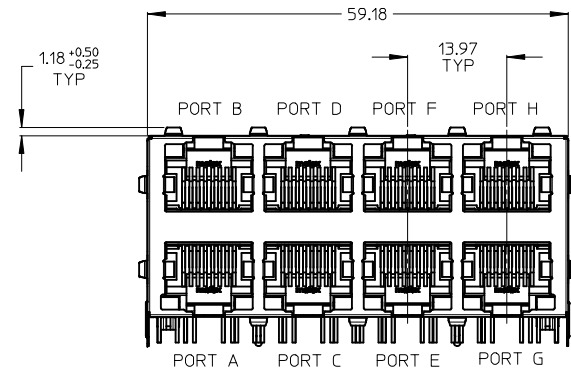
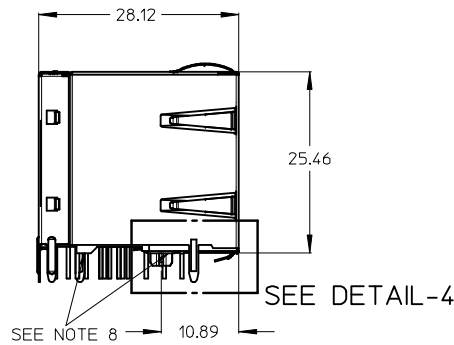
UPPER & LOWER RIGHT LED	
PIN POSITON	YELLOW
13	-
14	+



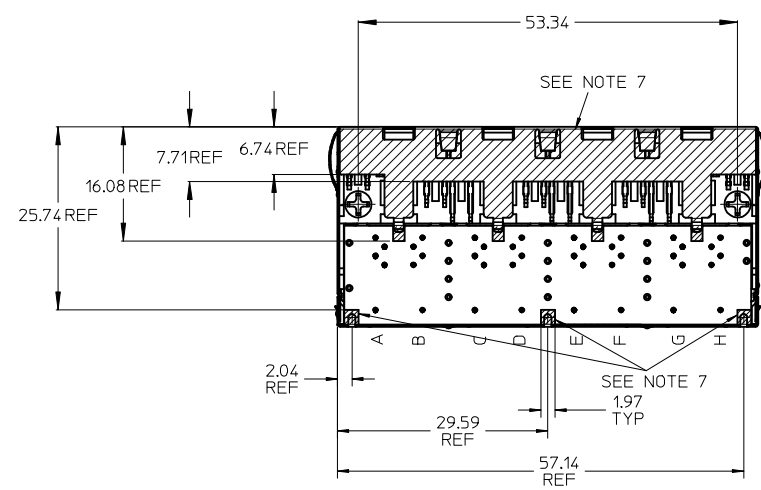
PIN	ETHERNET MAGNETICS
9	CT-R / CT - T
4	RDP
3	RDN
2	TCP
1	TCN

FUNCTIONAL SYMBOLS $\frac{E}{A}=0$ $\frac{E}{C}=0$ $\frac{E}{P}=0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS mm		SCALE 2:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512604			molex FAST ETHERNET MAGNETIC JACK GND ISOLATION 2X4 LED							
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 0.5°														
	4 PLACES ±														
3 PLACES ±				STATUS: Production DRWN: Vishal Ramesh Hosur CHK'D: Ganesh Rao B APPR: Gurunandan GA			2023-09-07 2023-10-16 2023-10-17			PRODUCT SALES DRAWING					
2 PLACES ± 0.250										DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
1 PLACE ± 0.50										SD-85727-705			PSD	001	B3
0 PLACES ±										MATERIAL NUMBER			CUSTOMER		SHEET NUMBER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A2-SIZE		SERIES 85727		GENERAL MARKET		4 OF 4			

FAST ETHERNET MAGNETIC JACK 2x4 LED

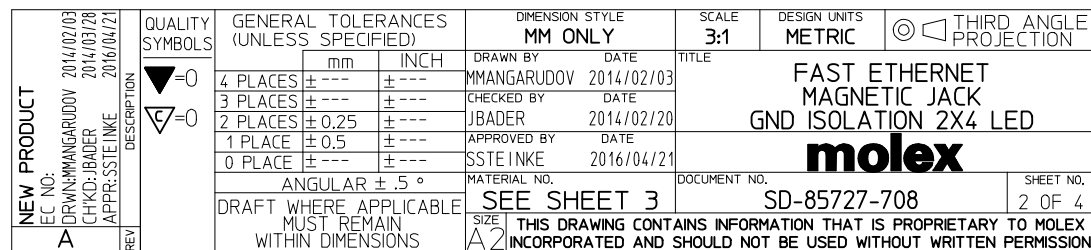
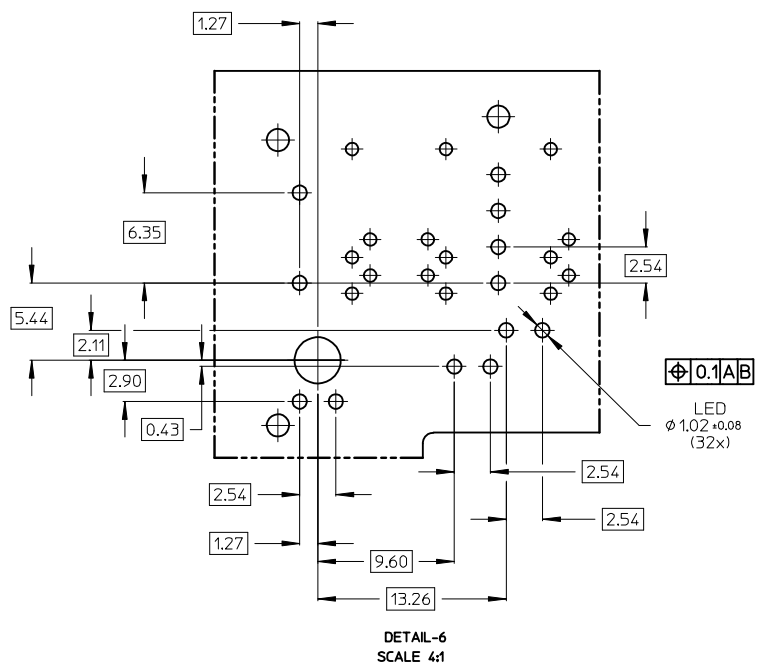


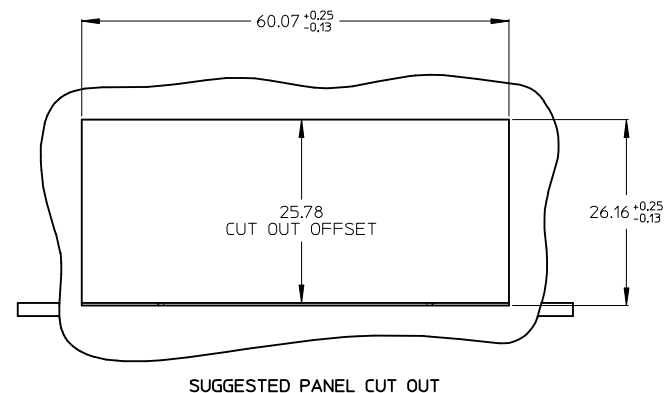
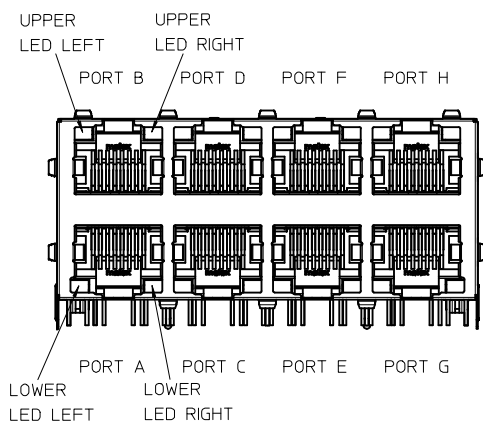
DETAIL-4
SCALE 4:1



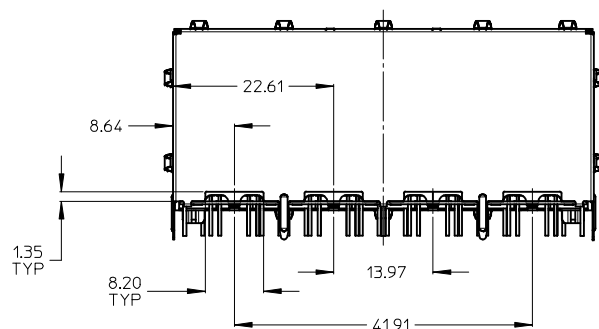
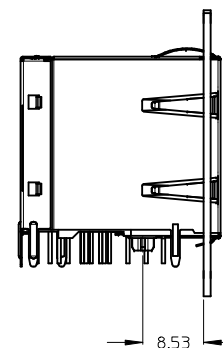
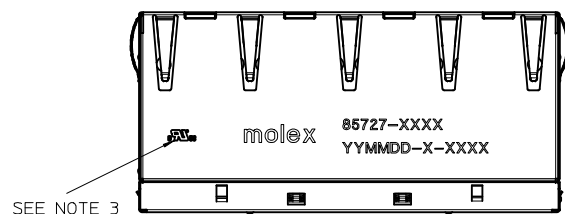
- NOTES:
- 1 - SHIELD MATERIAL: BRASS; PLATING: NICKEL PRE-PLATING
 - 2 - PLASTIC MATERIAL: POLYESTER (PBT)BLACK, 30%GR, UL 94V-0
 - 3 - RJ45 TERMINALS MATERIAL: COPPER ALLOY
CONTACT AREA PLATING: 0.76 MICROMETER GOLD OVER 1.9 MICROMETER NICKEL
PHY TERMINALS: TIN PLATED
 - 4 - MATING INTERFACE ACCORDING TO IEC 60603-7
 - 5 - PRODUCT SPECIFICATION: PS-85727-001
FOR FURTHER INFORMATION ON MAGNETICS AND LED FUNCTION REFER TO THIS SPECIFICATION
 - 6 - PACKAGING SPECIFICATION: PK-85727-001
 - 7 - TRACES WITHOUT INSULATION NOT ALLOWED IN THE DASHED AREAS.
(TO AVOID SHORTS TO SHIELD)
 - 8 - STAND OFF TO SYSTEM BOARD

NEW PRODUCT EC NO: A	DRAWN:MMANGARUDOV 2014/02/03 CHKD:JBADER 2014/03/28 APPR:SSTEINKE 2016/04/21	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY	DATE	TITLE			
				4 PLACES	± ---	± ---	MMANGARUDOV	2014/02/03	FAST ETHERNET MAGNETIC JACK GND ISOLATION 2X4 LED molex			
				3 PLACES	± ---	± ---	CHECKED BY	DATE				
				2 PLACES	± 0.25	± ---	JBADER	2014/02/20				
				1 PLACE	± 0.5	± ---	APPROVED BY	DATE				
				0 PLACE	± ---	± ---	SSTEINKE	2016/04/21	SEE SHEET 3 SD-85727-708			
				ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				





SUGGESTED PANEL CUT OUT



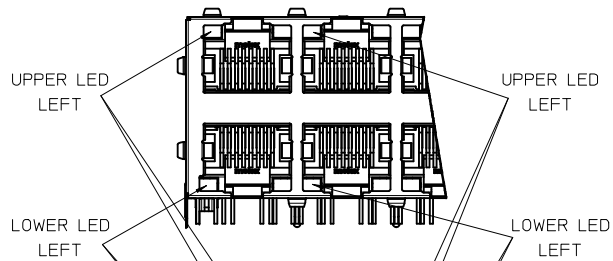
PART NUMBER	UPPER & LOWER LED LEFT	UPPER & LOWER LED RIGHT
85727-7008	GREEN	GREEN
0°C~+70°C	YELLOW	YELLOW
85727-7108	GREEN	GREEN
-40°C~+85°C	YELLOW	YELLOW

ADDITIONAL LED COLOURS AND CONFIGURATIONS AVAILABLE ON REQUEST

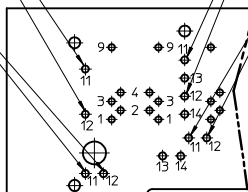
- NOTED:
- 1 - PRINTING MARKED BY LASER
 - 2 - INSCRIPTION:
1st LINE: PART NUMBER
2nd LINE: DATE CODE (YEAR,MONTH,DAY) - MANUFACTURER ID - COSECUTIVE NUMBER
 - 3 - UL LOGO

NEW PRODUCT EC NO: 2014/02/03 DRAWN: MMANGARUDOV CHKD: JBADER APPR: SSTEINKE REV A	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY MMANGARUDOV	DATE 2014/02/03	FAST ETHERNET MAGNETIC JACK GND ISOLATION 2X4 LED molex					
			4 PLACES	± ---	± ---	CHECKED BY JBADER	DATE 2014/02/20						
			3 PLACES	± ---	± ---	APPROVED BY SSTEINKE	DATE 2016/04/21						
			2 PLACES	± 0.25	± ---								
				1 PLACE	± 0.5	± ---			DOCUMENT NO. SD-85727-708				
				0 PLACE	± ---	± ---							
			ANGULAR ± .5 °		MATERIAL NO.								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		SEE BOM		SHEET NO. 3 OF 4				
									THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

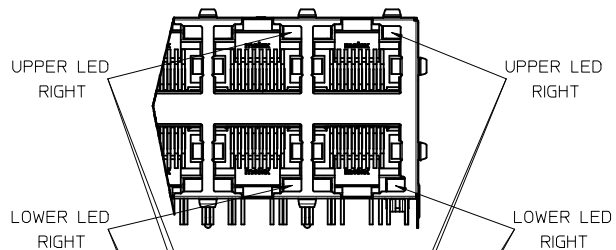
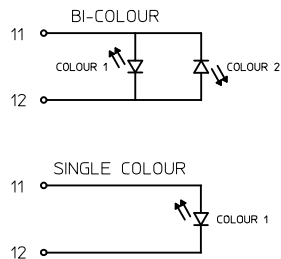
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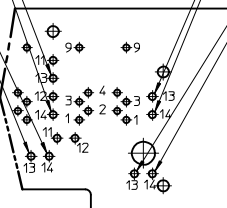
UPPER & LOWER LEFT LED		
PIN POSITION	COLOUR 1	COLOUR 2
11	+	-
12	-	+



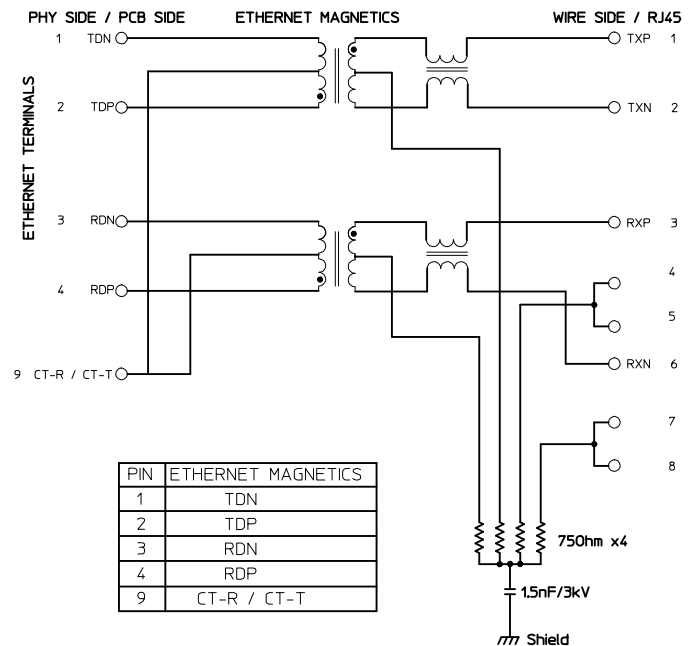
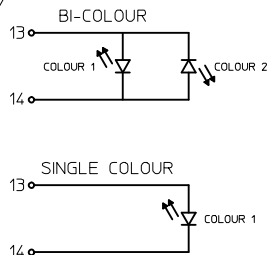
COMPONENT VIEW



UPPER & LOWER RIGHT LED		
PIN POSITION	COLOUR 1	COLOUR 2
13	+	-
14	-	+



COMPONENT VIEW



PIN	ETHERNET MAGNETICS
1	TDN
2	TDP
3	RDN
4	RDP
9	CT-R / CT-T

12 11 10 9 8 7 6 5 4 3 2 1

NEW PRODUCT EC NO: 2014/02/03 DRAWN:MMANGARUDOV CHKD:JBADER APPR:SSTEINKE REV A	DESCRIPTION 2014/03/28 2016/04/21	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY MMANGARUDOV	DATE 2014/02/03	TITLE FAST ETHERNET MAGNETIC JACK GND ISOLATION 2X4 LED molex	DOCUMENT NO. SD-85727-708			
			4 PLACES	± ---	± ---	CHECKED BY JBADER	DATE 2014/02/20					
			3 PLACES	± ---	± ---	APPROVED BY SSTEINKE	DATE 2016/04/21					
			2 PLACES	± 0.25	± ---	MATERIAL NO.	SHEET NO. 4 OF 4					
			1 PLACE	± 0.5	± ---	SEE SHEET 3						
			0 PLACE	± ---	± ---	ANGULAR ± .5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION