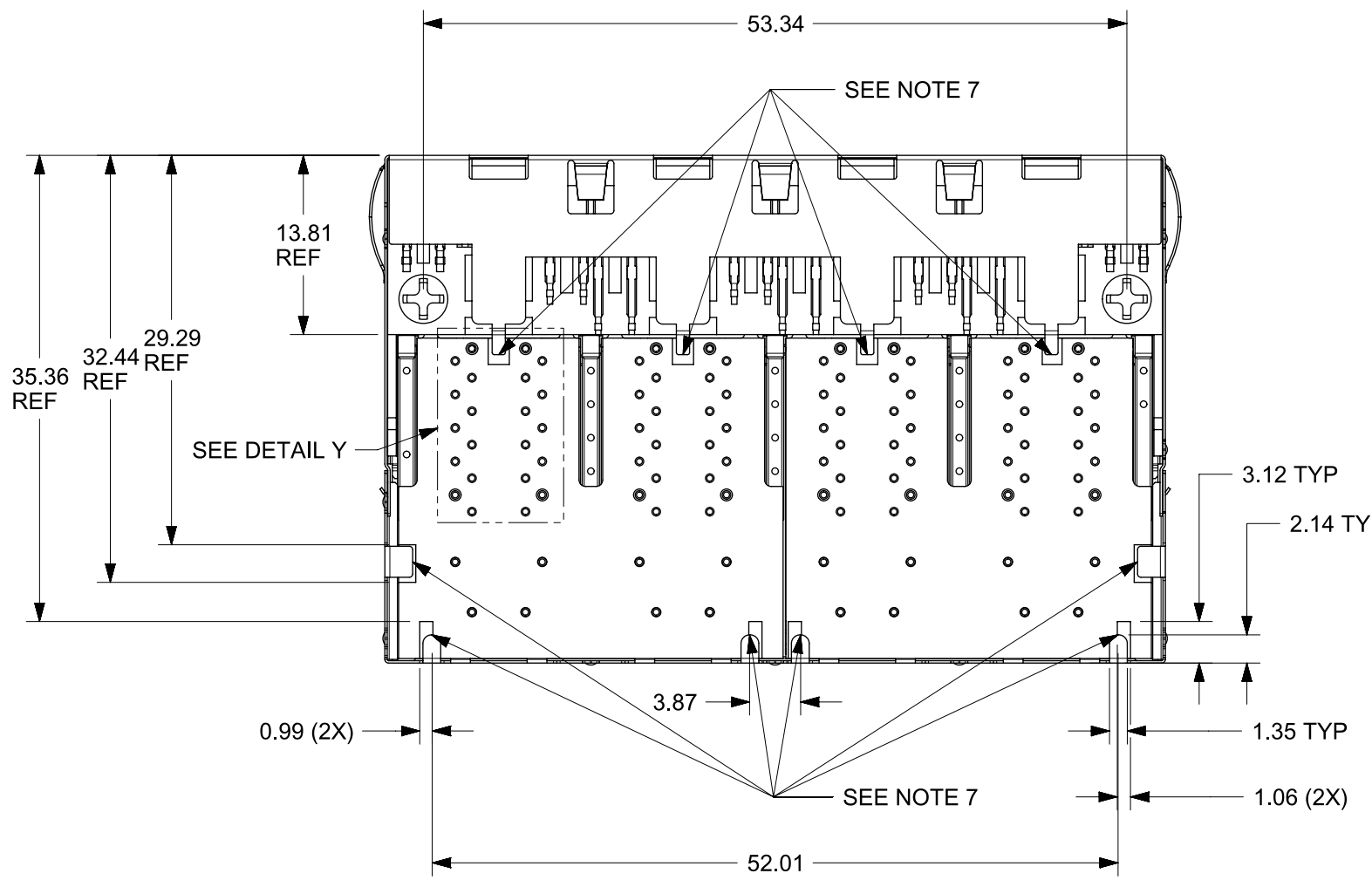
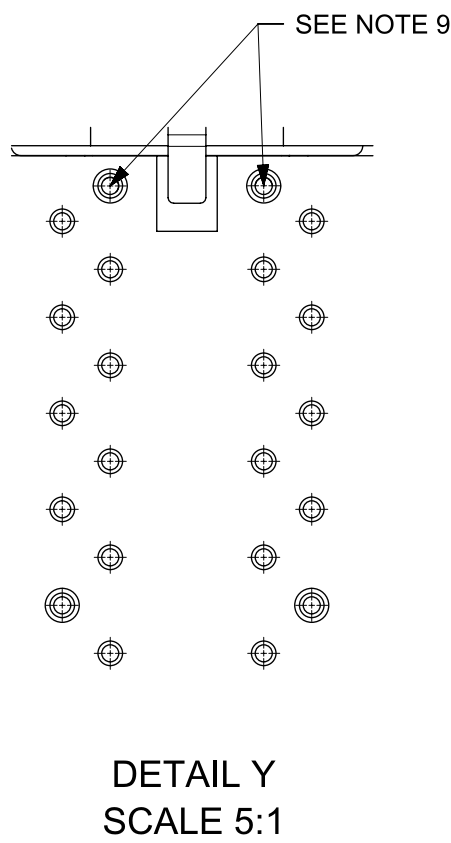
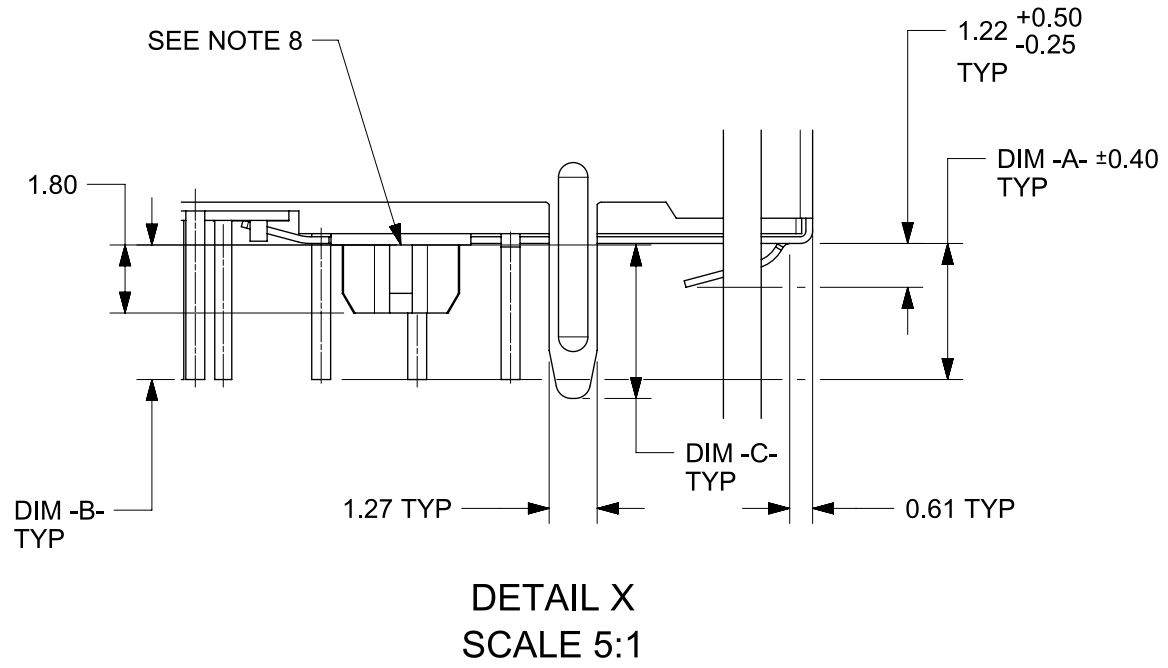
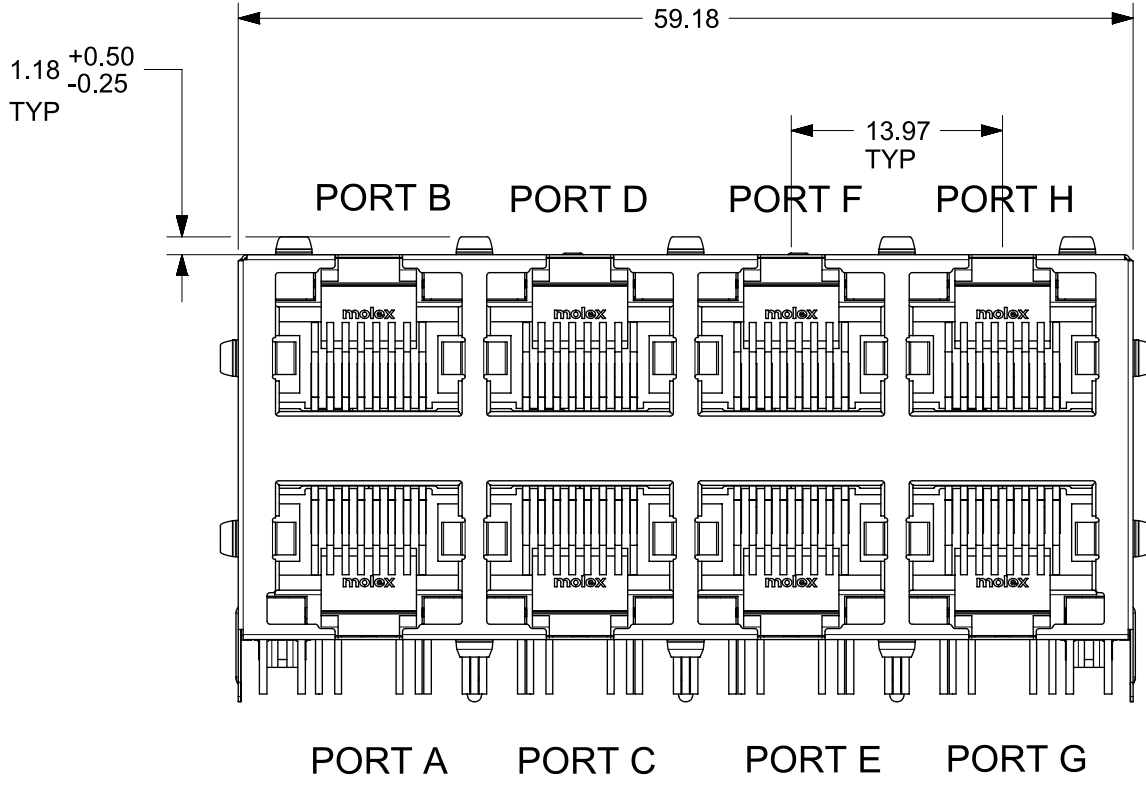
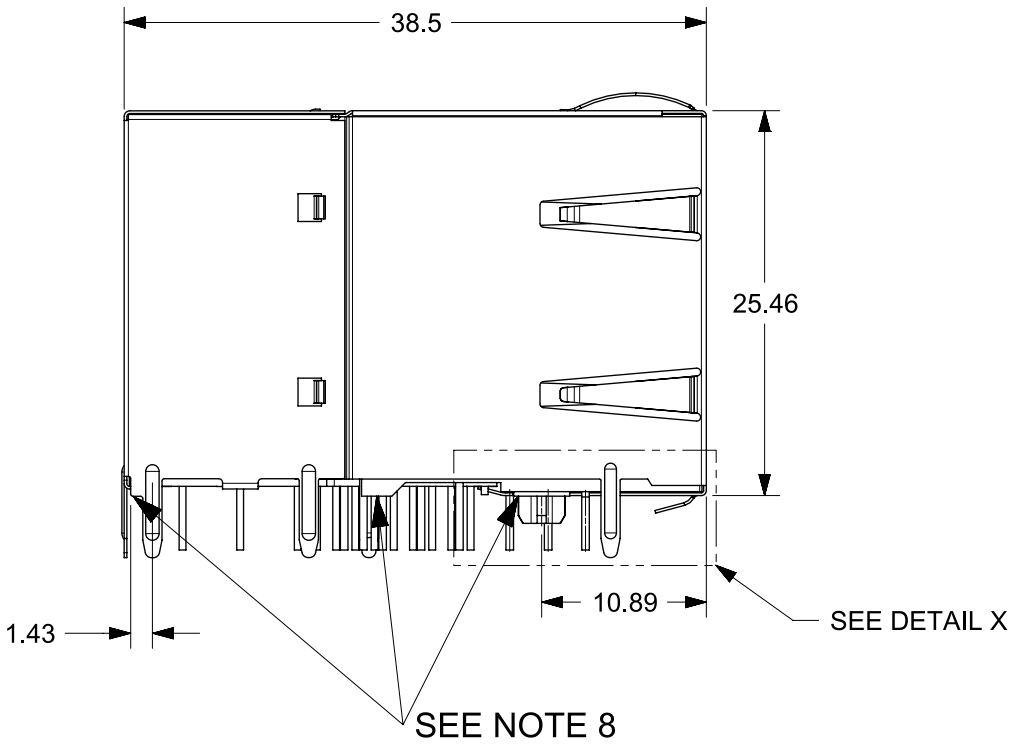


GIGABIT 8 PORT MAGNETIC JACK WITH LED's
AND INTEGRATED POWER OVER ETHERNET TRANSFORMERS
ACCORDING TO IEEE Std802.3-2012 FOR PSE (30 WATT) APPLICATIONS



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 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-85732-001
- 6 - PACKAGING SPECIFICATION: PK-85735-001
- 7 - SYSTEM BOARD TRACES WITHOUT INSULATION NOT ALLOWED IN THE SOLDERED AREA (SHILED SOLDERED WITH PCB PAD)
TO AVOID SHORTS TO SHIELD
- 8 - STAND OFF TO SYSTEM BOARD
- 9 - STUBBED PINS -> AVOIDE TO ROUTE TRACES OR TO PLACE ANY VIAS OR PADS BELOW THESE PINS ON SYSTEM BOARD
- 10 - FOR MAGNETICS AND LED INFORMATION SEE SPEC PS-85732-001

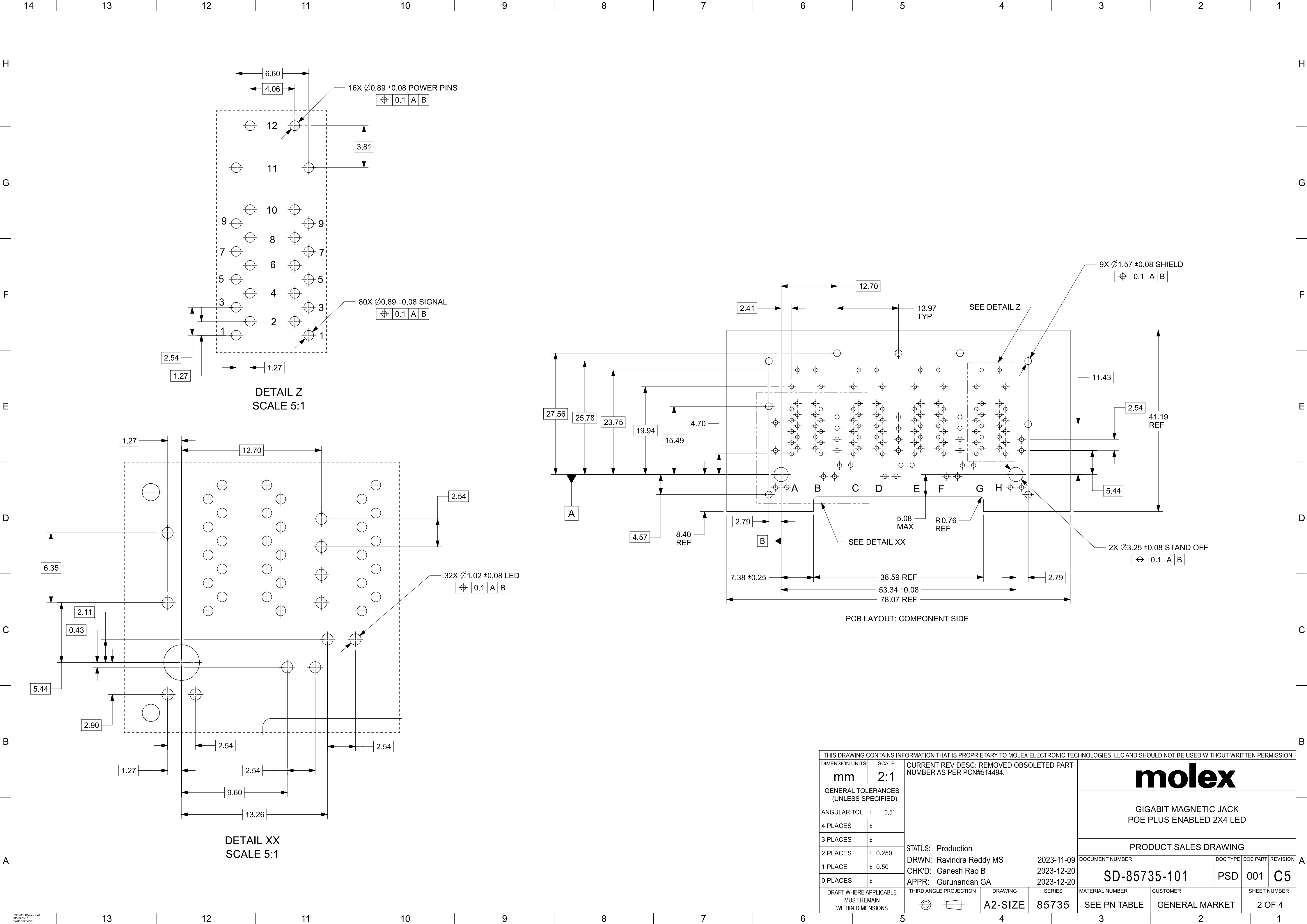
REVISION CHART	
REV	CHANGE CONTENT
C2	85735-1102 G/Y LED SHORTEN SHIELD PIN LENGTH
C3	REMOVED OBSOLETE PART NUMBER AS PER PCN#512132.
C4	MIGRATED TO TEAMCENTER
C5	OBSOLETE PART NUMBER 857351101

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 NUMBER AS PER PCN#514494.														
mm		2:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL ± 0.5°																	
4 PLACES ±																	
3 PLACES ±																	
2 PLACES ± 0.250																	
1 PLACE ± 0.50		STATUS: Production		DRWN: Ravindra Reddy MS 2023-11-09 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20		molex GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED PRODUCT SALES DRAWING <table><tr><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>SD-85735-101</td><td>PSD</td><td>001</td><td>C5</td></tr></table>				DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	SD-85735-101	PSD	001	C5
DOCUMENT NUMBER	DOC TYPE									DOC PART	REVISION						
SD-85735-101	PSD									001	C5						
0 PLACES ±																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
				A2-SIZE		85735		SEE PN TABLE		GENERAL MARKET		1 OF 4					

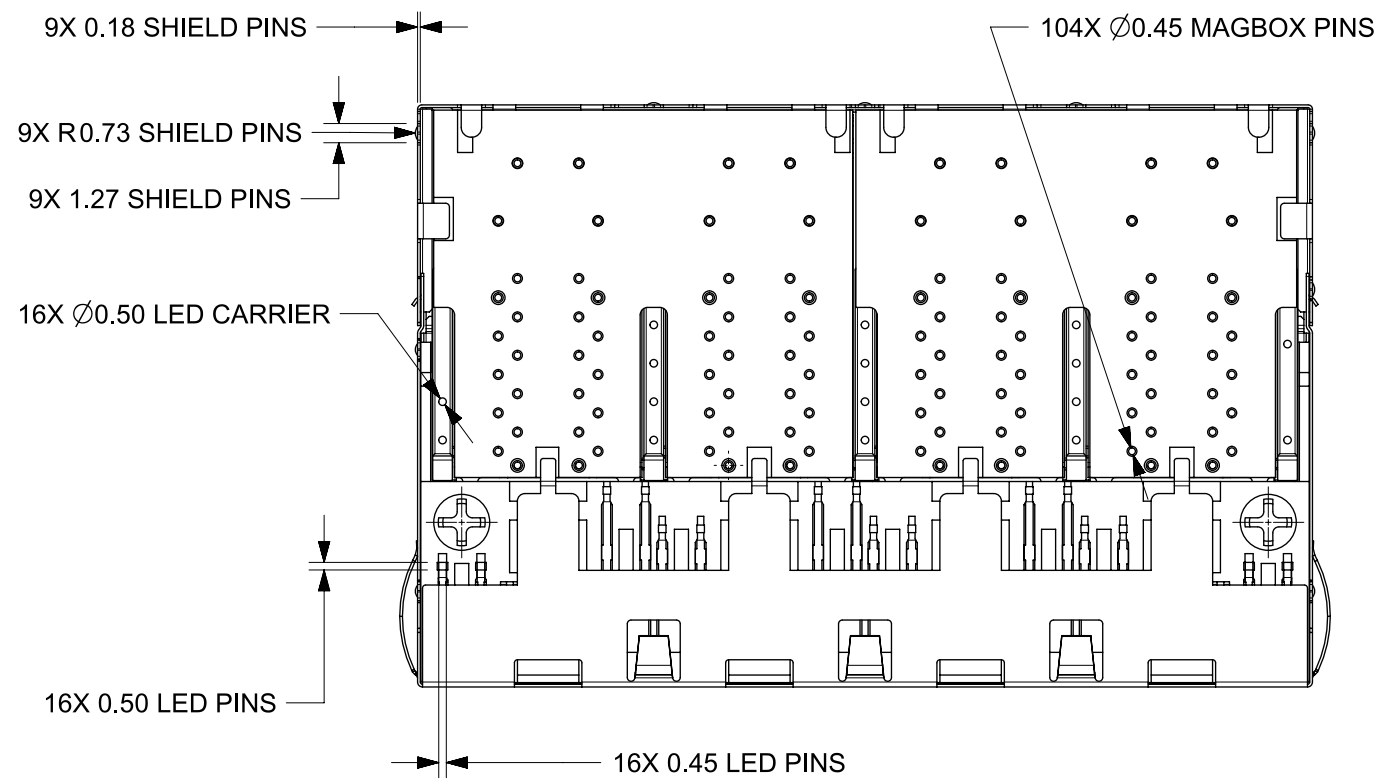
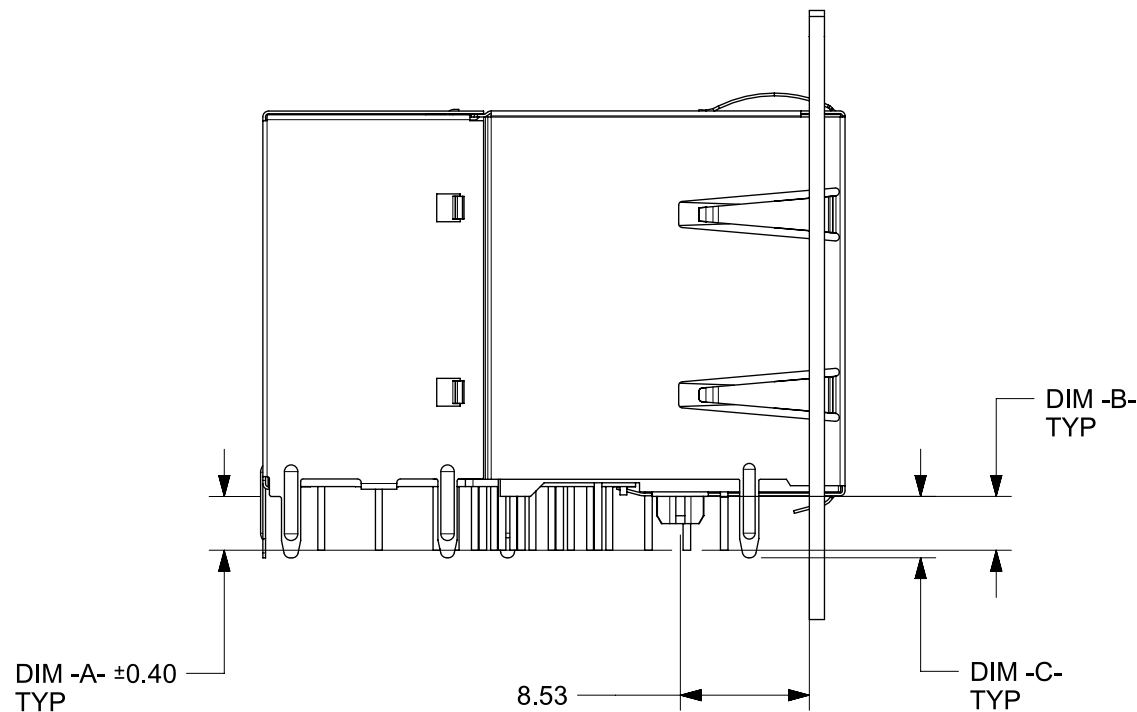
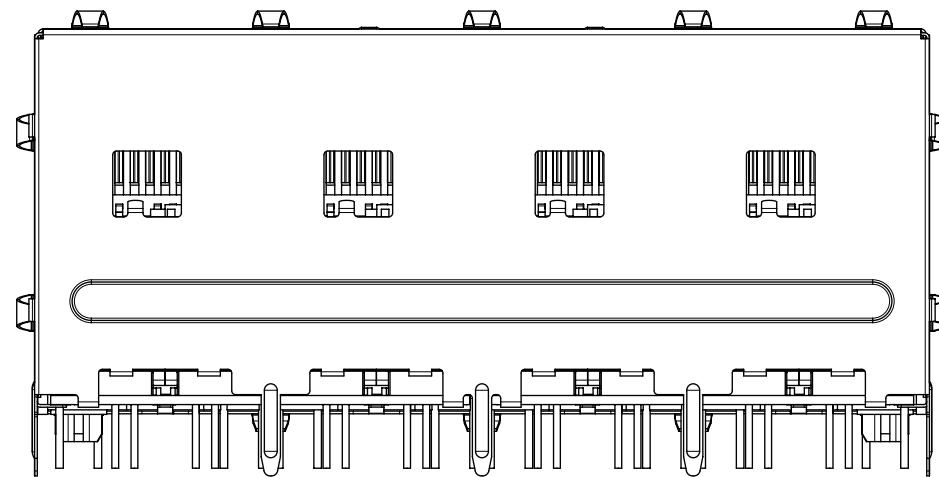
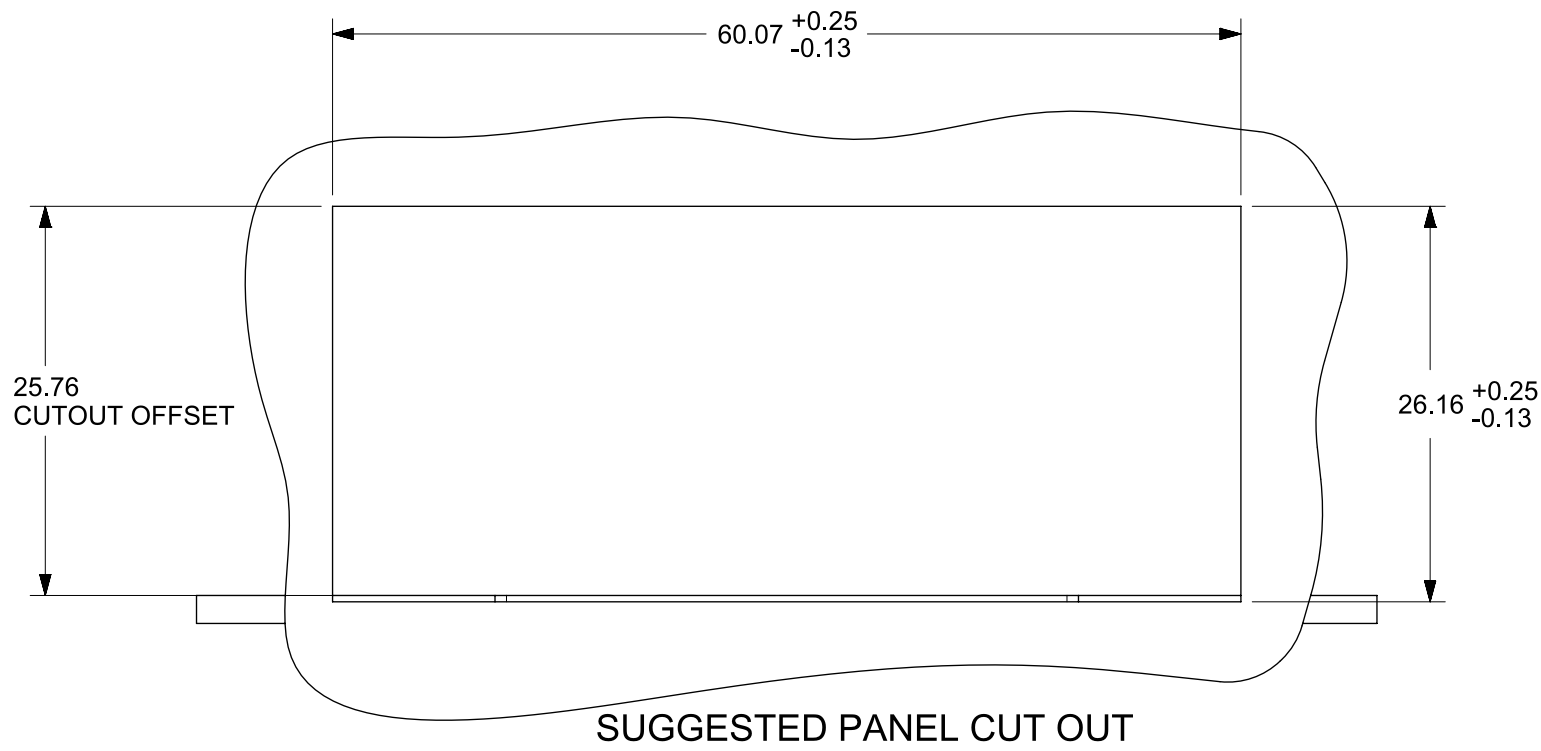
molex

GIGABIT MAGNETIC JACK
POE PLUS ENABLED 2X4 LED

PRODUCT SALES DRAWING



PRINTING
LED VERSION
P/N: 85735-XXXX
S/N: YYMMDD-CM-CONSECUTIVE NUMBER

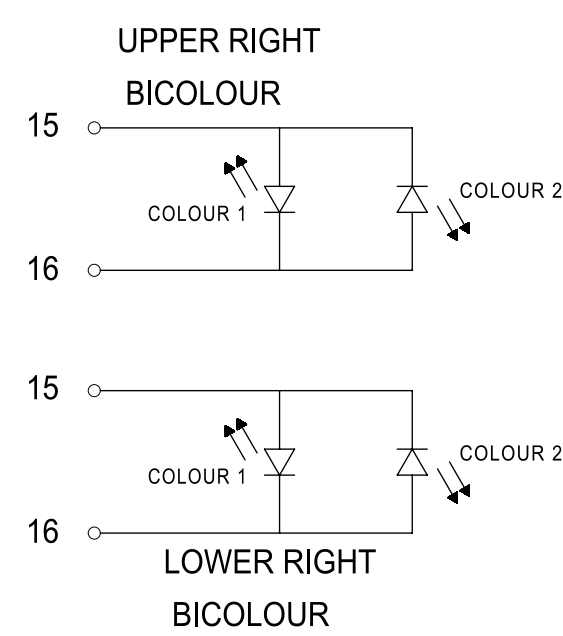
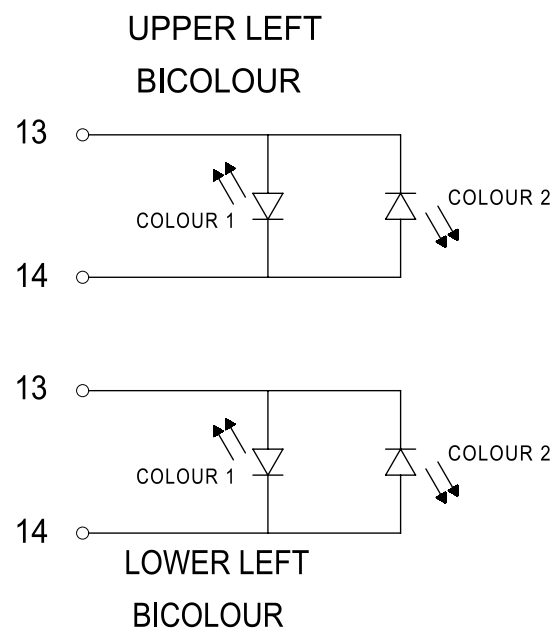
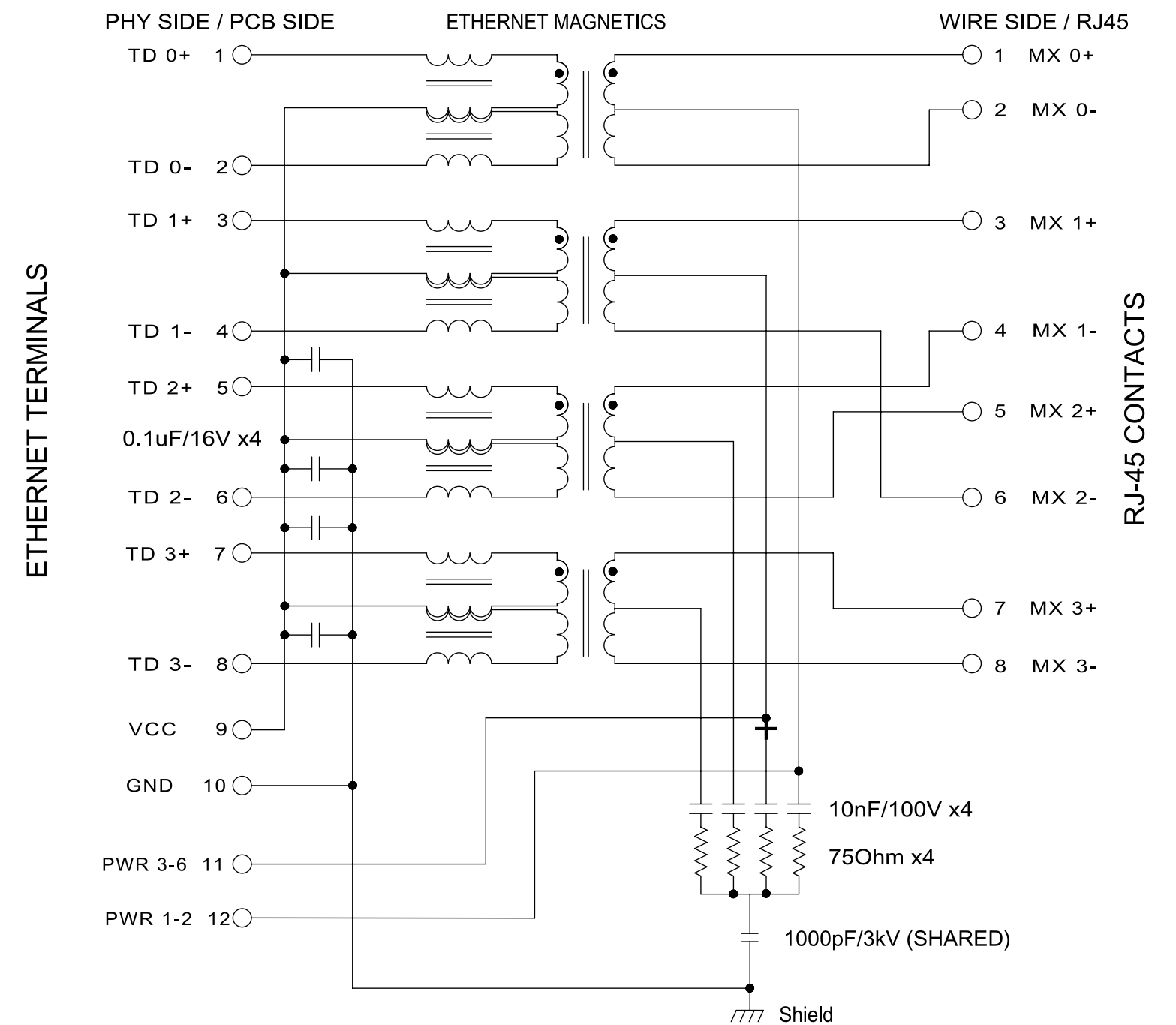
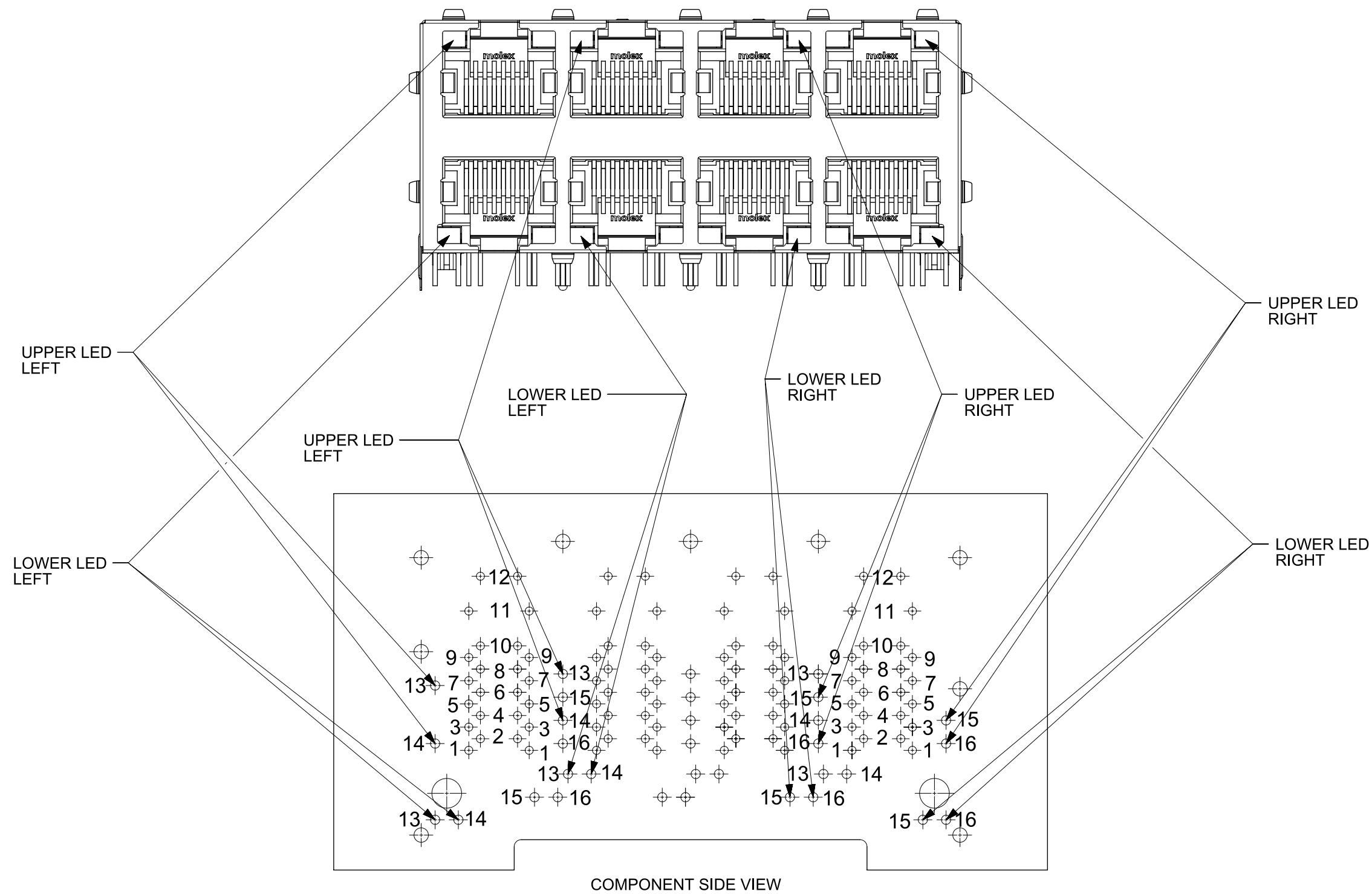


- NOTES:
1 - PRINTING MARKED BY LASER
2 - INSCRIPTION:
1st LINE: PART NUMBER
2nd LINE: DATE CODE (YEAR, MONTH, DAY) - MANUFACTURER ID - CONSECUTIVE NUMBER
3 - UL LOGO

PART NUMBER	UPPER & LOWER LED LEFT		UPPER & LOWER LED RIGHT		DIM-A-SIGNAL PINS	DIM-B-LED PINS	DIM-C-SHIELD PINS
857351001	COLOUR 1	GREEN	COLOUR 1	GREEN	3,56mm	3,56mm	4.06mm
	COLOUR 2	-	COLOUR 2	-			
857351102	COLOUR 1	GREEN	COLOUR 1	YELLOW	2.40mm	2.40mm	2.40mm
	COLOUR 2	-	COLOUR 2				
857351002	COLOUR 1	GREEN	COLOUR 1	ORANGE	3,56mm	3,56mm	4.06mm
	COLOUR 2	-	COLOUR 2	-			
857351006	COLOUR 1	GREEN	COLOUR 1	YELLOW	3,56mm	3,56mm	4.06mm
	COLOUR 2	-	COLOUR 2	-			
857351008	COLOUR 1	GREEN	COLOUR 1	GREEN	3,56mm	3,56mm	4.06mm
	COLOUR 2	YELLOW	COLOUR 2	YELLOW			

ADDITIONAL LED COLOURS AND CONFIGURATIONS
ARE AVAILABLE ON REQUEST

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 NUMBER AS PER PCN#514494.			molex						
mm		2:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)							GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED						
ANGULAR TOL ± 0.5°													
4 PLACES		±		PRODUCT SALES DRAWING									
3 PLACES		±											
2 PLACES		± 0.250											
1 PLACE		± 0.50											
0 PLACES		±		STATUS: Production			DOCUMENT NUMBER SD-85735-101						
DRWN: Ravindra Reddy MS 2023-11-09				DOC TYPE DOC PART REVISION									
CHK'D: Ganesh Rao B 2023-12-20				PSD 001 C5									
APPR: Gurunandan GA 2023-12-20				THIRD ANGLE PROJECTION			DRAWING						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A2-SIZE		85735		SEE PN TABLE		GENERAL MARKET	



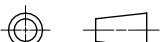
UPPER	LOWER	LEFT LED	
PIN POSITION	PIN POSITION	COLOUR 1	COLOUR 2
13	13	+	-
14	14	-	+

UPPER	LOWER	RIGHT LEFT	
PIN POSITION	PIN POSITION	COLOUR 1	COLOUR 2
15	15	+	-
16	16	-	+

PIN	ETHERNET MAGNETICS
1	TD 0+
2	TD 0-
3	TD 1+
4	TD 1-
5	TD 2+
6	TD 2-
7	TD 3+
8	TD 3-
9	Vcc
10	GND
11	PWR 3-6
12	PWR 1-2

	MDI-X	MDI
PIN 11	V _c +	V _c -
PIN 12	V _c -	V _c +

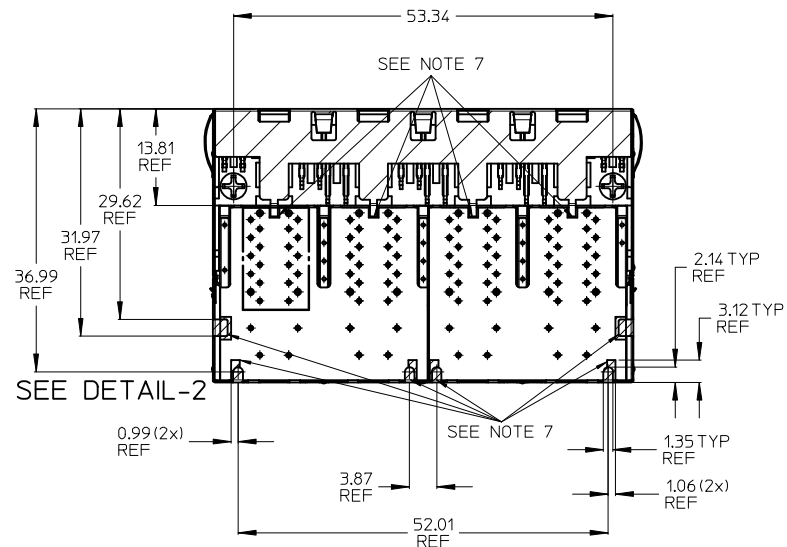
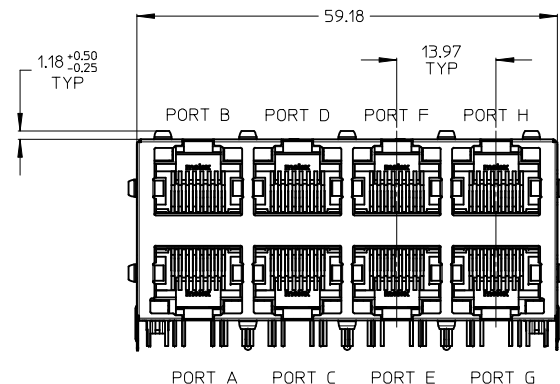
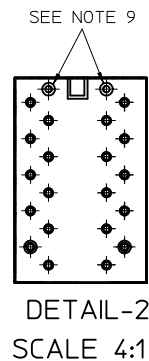
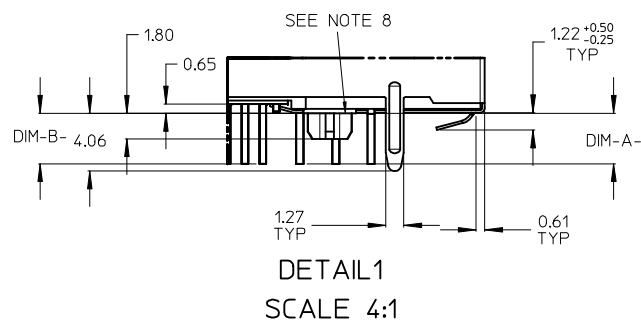
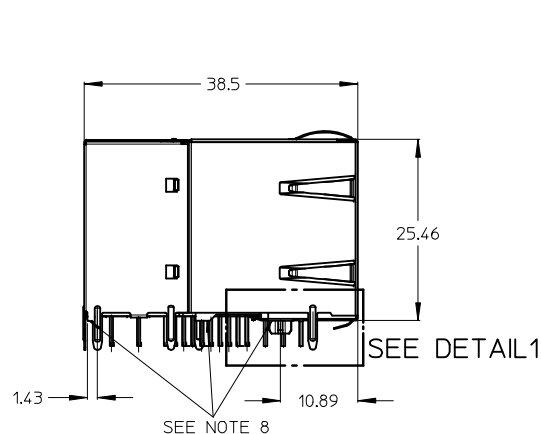
POWER-SUPPLY POLARITY DEFINITION TO ACHIEVE PoE POWER ASSIGNMENT ACCORDING IEEE Std802.3-2012 ALTERNATIVE A:

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 NUMBER AS PER PCN#514494.		 GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED			
GENERAL TOLERANCES (UNLESS SPECIFIED)							
ANGULAR TOL ± 0.5°				PRODUCT SALES DRAWING			
4 PLACES ±							
3 PLACES ±				DOCUMENT NUMBER SD-85735-101 DOC TYPE DOC PART REVISION PSD 001 C5			
2 PLACES ± 0.250							
1 PLACE ± 0.50							
0 PLACES ±							
STATUS: Production		DRWN: Ravindra Reddy MS 2023-11-09					
CHK'D: Ganesh Rao B 2023-12-20		APPR: Gurunandan GA 2023-12-20					
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
		A2-SIZE		85735		SEE PN TABLE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						CUSTOMER	
						GENERAL MARKET	
						SHEET NUMBER	
						4 OF 4	

**GIGABIT 8 PORT MAGNETIC JACK WITH LED's
AND INTEGRATED POWER OVER ETHERNET TRANSFORMERS
WITHOUT POWER LINE CHOKE
ACCORDING TO IEEE Std802.3-2012 FOR PSE (30 WATT) APPLICATIONS**

PART NUMBER	UPPER & LOWER LED LEFT		UPPER & LOWER LED RIGHT		LED PIN DIM-A-	SIGNAL PIN DIM-B-
85735-2001	COLOUR 1	GREEN	COLOUR 1	GREEN	3.56 MM	3.56 MM
	COLOUR 2	—	COLOUR 2	—		
85735-2004	COLOUR 1	GREEN	COLOUR 1	GREEN	3.56 MM	3.56 MM
	COLOUR 2	ORANGE	COLOUR 2	ORANGE		

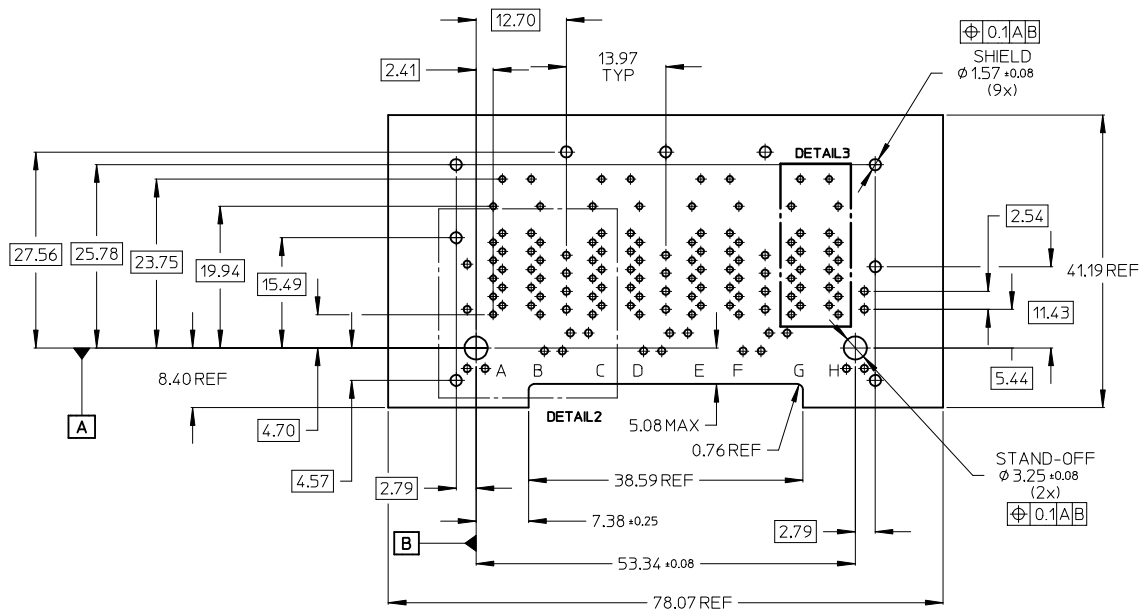
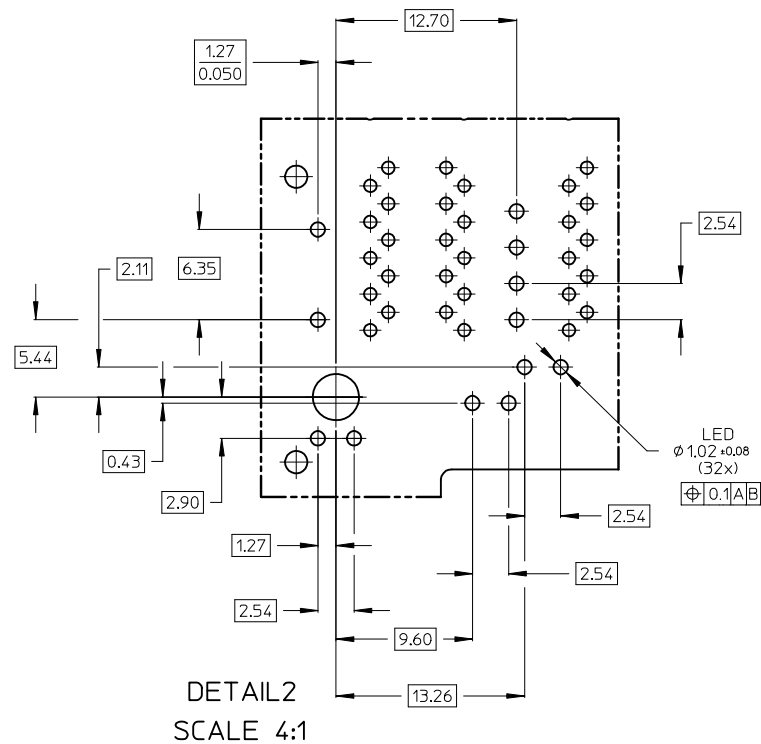
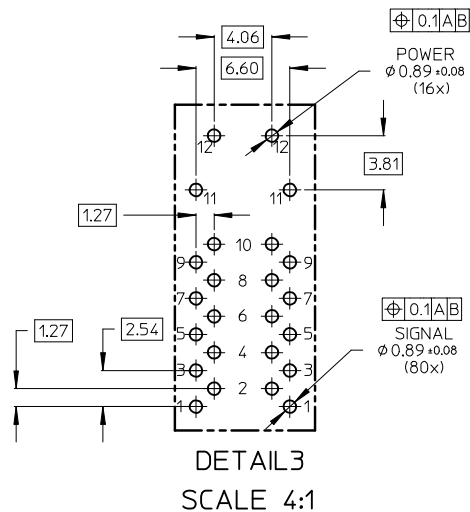
ADDITIONAL LED COLOURS ARE CONFIGURATIONS
AVAILABLE ON REQUEST



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 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-85732-001
- 6 - PACKAGING SPECIFICATION: PK-85735-001
- 7 - TRACES WITHOUT INSULATION NOT ALLOWED IN THE DASHED AREAS & LATCHES
(TO AVOID SHORTS TO SHIELD)
- 8 - STAND OFF TO SYSTEM BOARD
- 9 - STUBBED PINS -> AVOID TO ROUTE TRACES OR TO PLACE ANY
VIAS OR PADS BELOW THESE PINS
- 10 - FOR MAGNETICS AND LED INFORMATION SEE SPEC PS-85732-001

INCH DIM DELETED	EC NO: DRAWN: JBADER CHKD: MMANGARUDOV APPR: SSTEINKE	2015/01/15 2015/01/15 2015/07/08	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				▽=0			DRAWN BY JBADER		DATE 2013/07/02	TITLE GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED			
				▽=0	4 PLACES ± ---	± ---	CHECKED BY MMANGARUDOV		DATE 2013/07/02	MOLEX INCORPORATED			
					3 PLACES ± ---	± ---	APPROVED BY SSTEINKE		DATE 2013/10/31				
					2 PLACES ± 0.25	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					1 PLACE ± 0.5	± ---	SIZE A2		SD-85735-201		1 OF 4		
				ANGULAR ± .5 °		SEE BOM							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



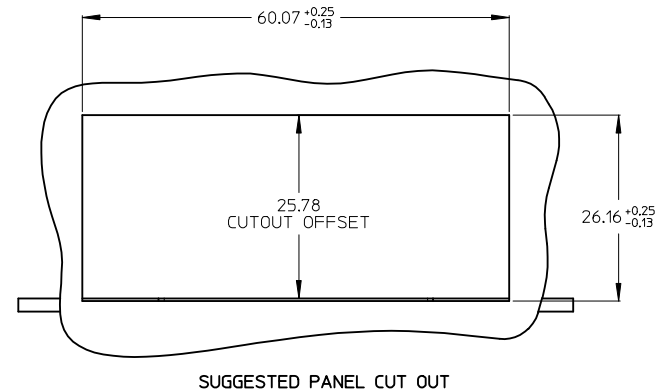
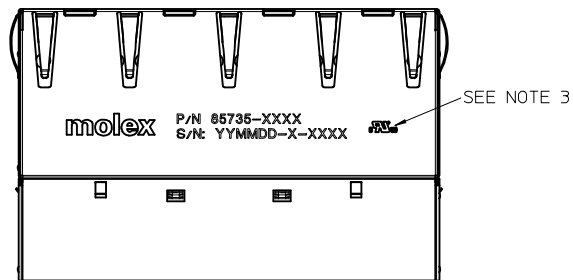
INCH DIM DELETED	EC NO: 2015/01/15 DRWN:JBADER CHKD:MMANGARUDOV APPR:SSTEINKE 2015/07/08	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY JBADER	DATE 2013/07/02	TITLE GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED		
				4 PLACES	± ---	± ---	CHECKED BY MMANGARUDOV	DATE 2013/07/02			
				3 PLACES	± ---	± ---	APPROVED BY SSTEINKE	DATE 2013/10/31			
				2 PLACES	± 0.25	± ---	MATERIAL NO.	DOCUMENT NO.			
				1 PLACE	± 0.5	± ---	SEE SHEET 1		SD-85735-201		SHEET NO. 2 OF 4
				ANGULAR ± .5 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

PRINTING

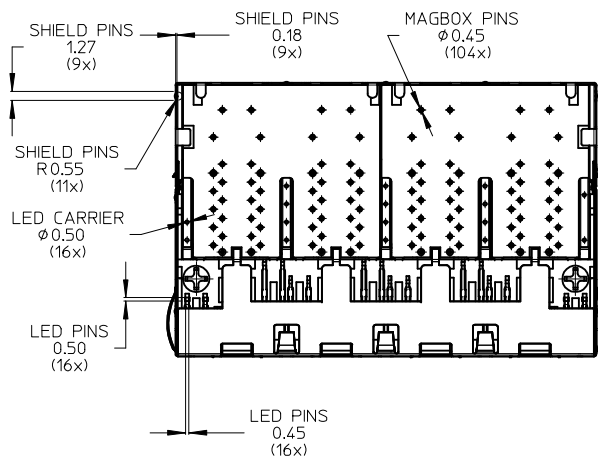
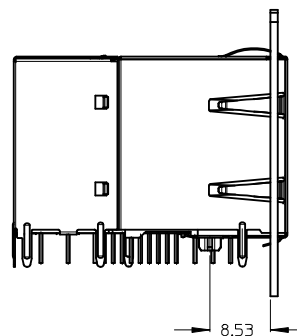
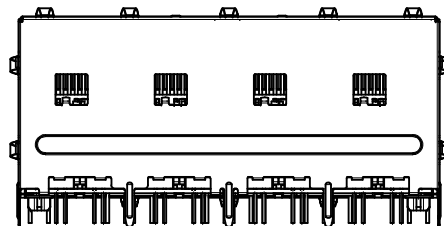
LED VERSION

P/N: 85735-XXXX

S/N: YYMMDD-CM-CONSECUTIVE NUMBER



SUGGESTED PANEL CUT OUT



NOTES:

1 - PRINTING MARKED BY LASER

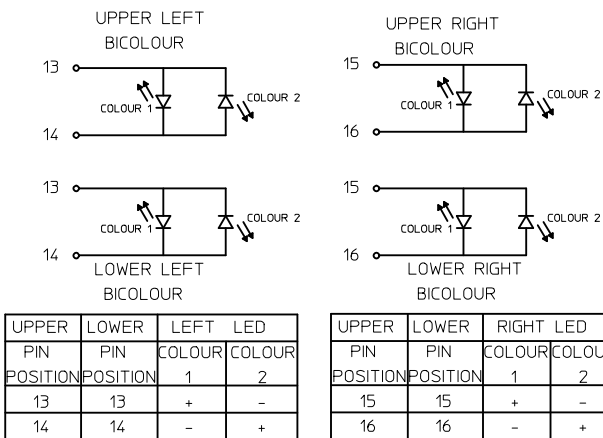
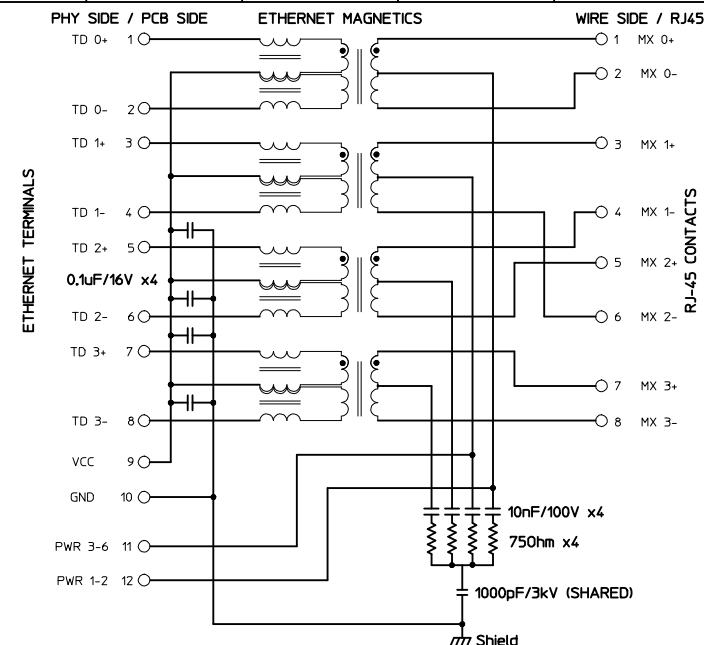
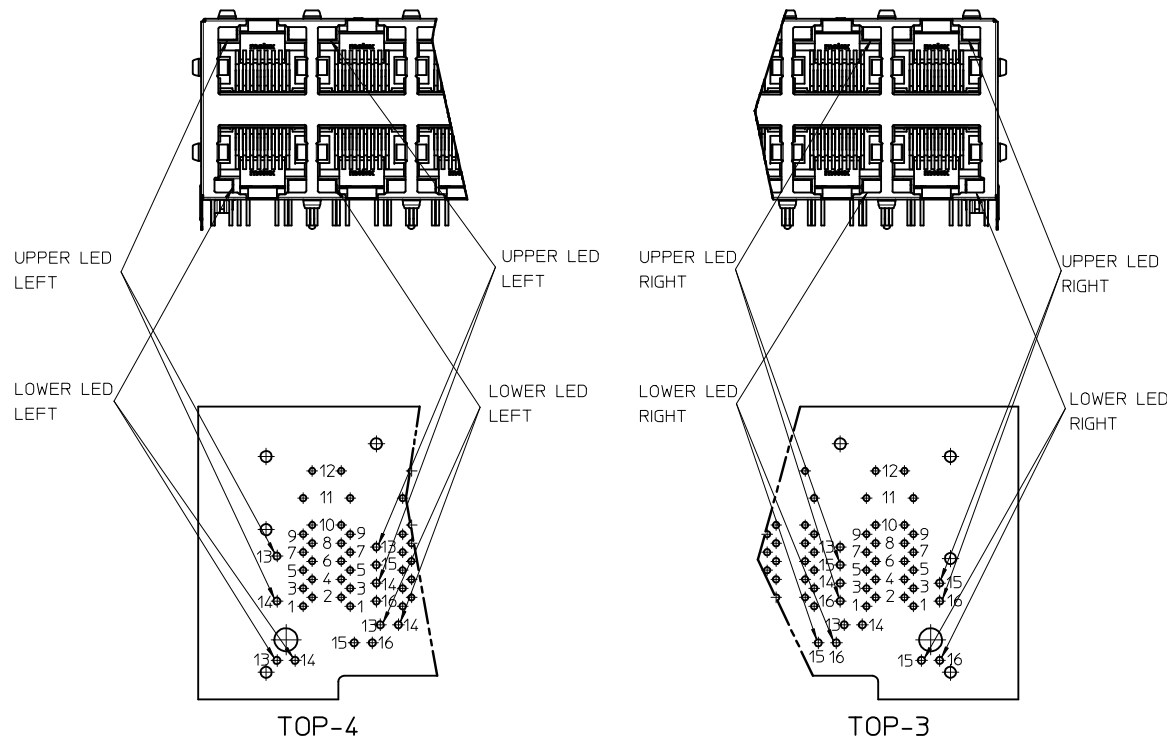
2 - INSCRIPTION:

1st LINE: PART NUMBER

2nd LINE: DATE CODE (YEAR, MONTH, DAY)- MANUFACTURER ID - CONSECUTIVE NUMBER

3 - UL LOGO

INCH DIM DELETED	EC NO: 2015/01/15 DRAWN: JBADER CHKD: MMANGARUDOV 2015/01/15 APPR: SSTEINKE 2015/07/08	DESCRIPTION	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 JBADER	DATE 2013/07/02	TITLE GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED				
				4 PLACES	± ---	± ---	CHECKED BY	DATE					
				3 PLACES	± ---	± ---	MMANGARUDOV	2013/07/02					
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
				1 PLACE	± 0.5	± ---	SSTEINKE	2013/10/31					
				ANGULAR ± .5 °		MATERIAL NO.	DOCUMENT NO.	SHEET NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-85735-201		3 OF 4			
				SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



POWER-SUPPLY POLARITY DEFINITION
TO ACHIEVE PoE POWER ASSIGNMENT
ACCORDING IEEE Std802.3-2012
ALTERNATIVE A:

	MDI-X	MDI
PIN 11	Vc +	Vc -
PIN 12	Vc -	Vc +

PIN	ETHERNET MAGNETICS
1	TD 0+
2	TD 0-
3	TD 1+
4	TD 1-
5	TD 2+
6	TD 2-
7	TD 3+
8	TD 3-
9	Vcc
10	GND
11	PWR 3-6
12	PWR 1-2

SCHEMATIC UPDATED EC NO: 2015/01/15 DRAWN: JBADER CHKD: MMANGARUDOV APPR: SSTEINKE REV: 2015/01/15 2015/07/08	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY JBADER		DATE 2013/07/02	TITLE GIGABIT MAGNETIC JACK POE PLUS ENABLED 2X4 LED		
		4 PLACES ± --- ± ---		CHECKED BY MMANGARUDOV		DATE 2013/07/02	MOLEX INCORPORATED		
		3 PLACES ± --- ± ---		APPROVED BY SSTEINKE		DATE 2013/10/31			
2 PLACES ± 0.25 ± ---		MATERIAL NO.		SEE SHEET 1		DOCUMENT NO. SD-85735-201	SHEET NO. 4 OF 4		
1 PLACE ± 0.5 ± ---		ANGULAR ± .5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			