

SEE NOTE 7

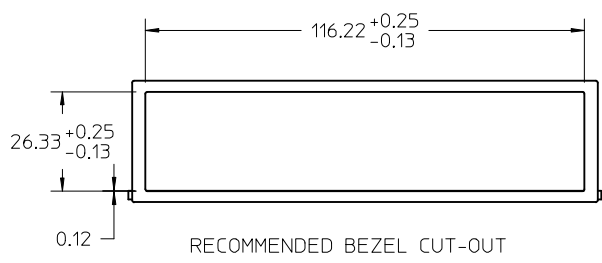
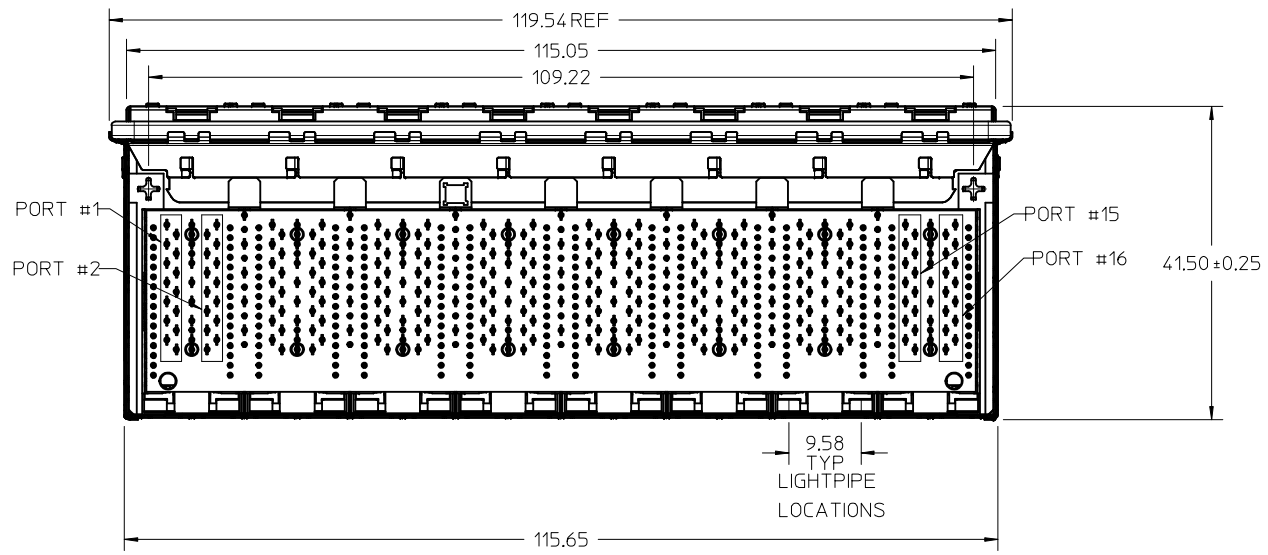
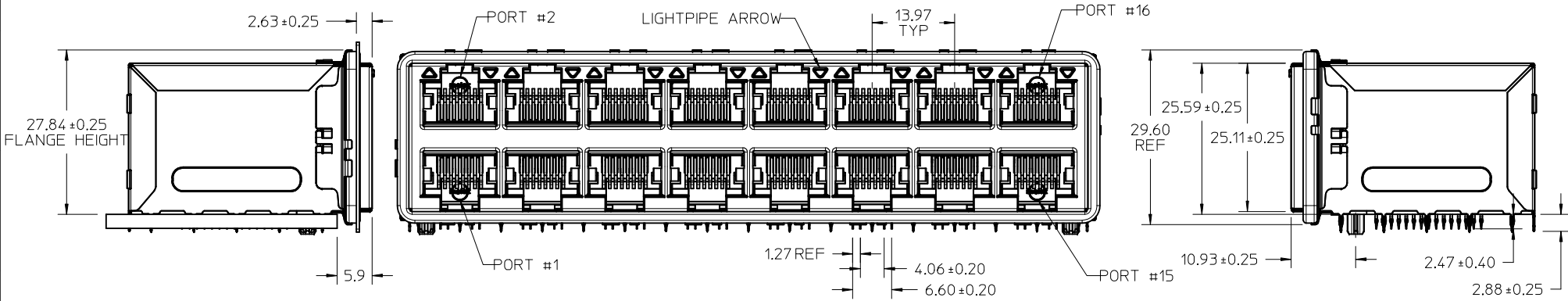
ELECTRICAL CHARACTERISTIC		VALUE AT 25°C
CHIP SIDE RETURN LOSS	1 - 50 MHz	30 dB MIN
	50 - 100 MHz	$30-0.04*(freq(MHz)-50)$ dB MIN
	100 - 200 MHz	$28-0.10*(freq(MHz)-100)$ dB MIN
	200 - 400 MHz	$18-0.04*(freq(MHz)-200)$ dB MIN
	400 - 500 MHz	$10-0.01*(freq(MHz)-400)$ dB MIN
LINE SIDE RETURN LOSS	1 - 50 MHz	30 dB MIN
	50 - 100 MHz	$30-0.04*(freq(MHz)-50)$ dB MIN
	100 - 200 MHz	$28-0.10*(freq(MHz)-100)$ dB MIN
	200 - 400 MHz	$18-0.04*(freq(MHz)-200)$ dB MIN
	400 - 500 MHz	$10-0.01*(freq(MHz)-400)$ dB MIN
INSERTION LOSS	1 - 400 MHz	3 dB MAX
MODE CONVERSION CM ON LINE TO DM ON CHIP	1 - 50 MHz	-48 dB MAX
	50 - 100 MHz	$-48+0.1*(freq(MHz)-50)$ dB MAX
	100 - 500 MHz	$-43+0.03*(freq(MHz)-100)$ dB MAX
MODE CONVERSION CM ON LINE TO DM ON CHIP	1 - 50 MHz	-38 dB MAX
	50 - 100 MHz	$-38+0.1*(freq(MHz)-50)$ dB MAX
	100 - 200 MHz	$-33+0.03*(freq(MHz)-100)$ dB MAX
	200 - 300 MHz	$-30+0.02*(freq(MHz)-200)$ dB MAX
	300 - 500 MHz	$-28+0.01*(freq(MHz)-300)$ dB MAX
COMMON MODE REJECTION	1 - 100 MHz	-23 dB MAX
	100 - 400 MHz	$-23+0.02*(freq(MHz)-100)$ dB MAX
	400 - 500 MHz	$-17+0.01*(freq(MHz)-400)$ dB MAX
ALIEN CROSSTALK	1 - 50 MHz	-70 dB MAX
	50 - 200 MHz	$-70+0.047*(freq(MHz)-50)$ dB MAX
	200 - 400 MHz	$-63+0.015*(freq(MHz)-200)$ dB MAX
	400 - 500 MHz	$-60+0.03*(freq(MHz)-400)$ dB MAX
CROSSTALK WITHIN A PORT	1 - 50 MHz	-40dB MAX
	50 - 100 MHz	$0.12*(freq(MHz)-50)-40$ dB MAX
	100 - 200 MHz	$0.06*(freq(MHz)-100)-34$ dB MAX
	200 - 300 MHz	$0.03*(freq(MHz)-200)-28$ dB MAX
	300 - 500 MHz	$0.015*(freq(MHz)-300)-25$ dB MAX
OCL	100kHz / 0.1V	100 nH MIN
TURN RATIO		1.00±0.02
INSULATION RESISTANCE		2250 VDC

NOTES:

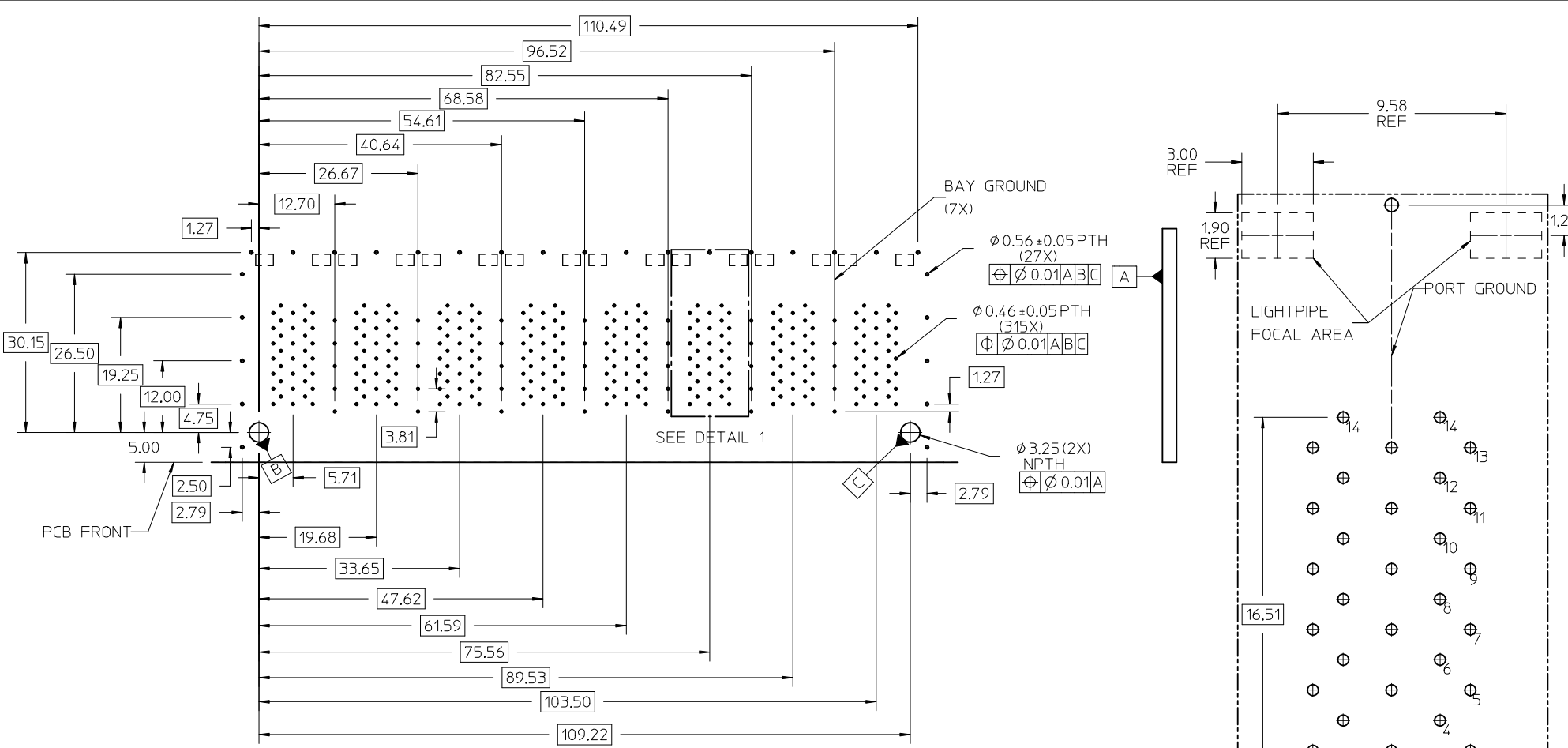
- MATERIAL:
 - HOUSING: LCP, GLASS FILLED, UL94V-0, COLOR: BLACK
 - CONTACT BEAMS: COPPER ALLOY
 - SHIELD: BRASS
 - GASKET FLANGE: STAINLESS STEEL
 - EMI GASKET: CONDUCTIVE MATERIAL OVER ELASTOMERIC SILICONE CORE
 - PCB PINS: COPPER ALLOY
- PLATING:
 - CONTACT BEAMS: 50 MICROINCHES MIN. GOLD AND OVER
150 MICROINCHES MIN NICKEL UNDERPLATE
 - SHIELD: NICKEL OVERALL
- PRODUCT SPECIFICATION: PS-170711-0001
- APPLICATION SPECIFICATION: AS-170711-0001
- PRODUCT TO BE TRAY PACKAGED PER PACKAGING SPECIFICATION: PK-170849-0001.
- CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- MOLEX LOGO, PART NUMBER, AND DATE CODE TO BE LOCATED IN THIS APPROXIMATE LOCATION. FOUR DIGIT DATE CODE TO BE THE 3 DIGIT JULIAN DAY AND 1 DIGIT YEAR (EXAMPLE: 0337 IS FEBRUARY 2, 2007)
- SHIELD SURFACE FINISHES (CLASS A, B OR C) COMPLY WITH THE REQUIREMENTS FOR VISUAL ACCEPTANCE PER COSMETIC SPECIFICATION ES-46030-006.

MAT'L NO.	LIGHT PIPE
170722-0008	YES
N/A	NO

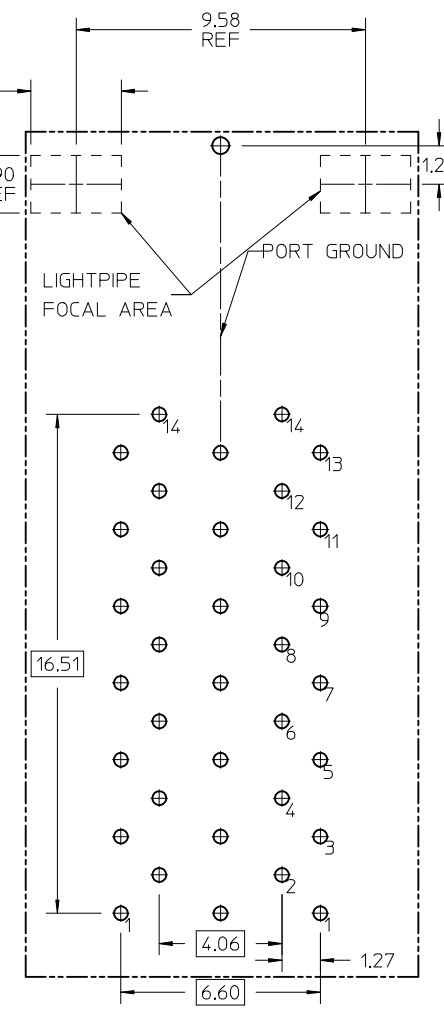
UPDATE OF VIA QTY EC NO: UCP2013-0194 DRWN:BWIRKUS 2012/07/16 CHKD: APPR:KLANG 2012/07/17 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm INCH	DRAWN BY DATE BJANOWIAK 2011/07/29	TITLE	10GbE 2X8 STACKED (P/F) NO CMS-LP 5AA21B00 MOLEX INCORPORATED	
	▽=0	4 PLACES ± --- ± ---	CHECKED BY DATE TMCCLELLAND 2012/05/04			
	▽=0	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	APPROVED BY DATE TMCCLELL 2011/07/30	DOCUMENT NO. SD-170722-0008	SHEET NO. 1 OF 3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



SEE SHEET 1 EC NO: UCP2013-0194 DRAWN BY: DRWINBWIWKUS 2012/07/16 CHKD: APPR: KLANG 2012/07/17 REV: A	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE 10GBE 2X8 STACKED (P/F) NO CMS-LP 5AA21B00 molex			
	▽=0	4 PLACES ± ---	± ---	BJANOWIAK	2011/07/29				
	▽=0	3 PLACES ± ---	± ---	CHECKED BY	DATE	DOCUMENT NO. SD-170722-0008			
▽=0	2 PLACES ± 0.13	± ---	TMCCLELLAND	2012/05/04					
	1 PLACE ± 0.25	± ---	APPROVED BY	DATE	SHEET NO. 2 OF 3				
	0 PLACE ±	±	TMCCLELL	2011/07/30					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ±1/2°		MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

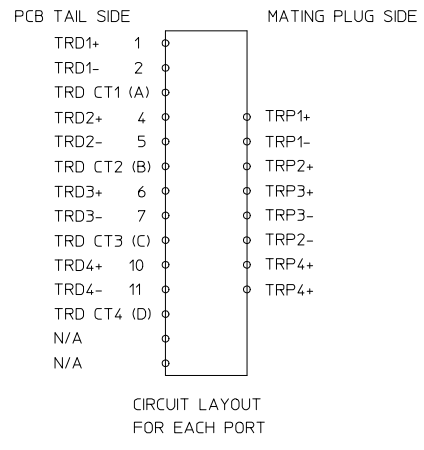


RECOMMENDED PCB LAYOUT
COMPONENT SIDE



DETAIL 1
SCALE 8:1

PIN #1	TRD1+
PIN #2	TRD1-
PIN #3	TRD CT1
PIN #4	TRD2+
PIN #5	TRD2-
PIN #6	TRD CT2
PIN #7	TRD3+
PIN #8	TRD3-
PIN #9	TRD CT3
PIN #10	TRD4+
PIN #11	TRD4-
PIN #12	TRD CT4
PIN #13	N/A
PIN #14	N/A



SEE SHEET 1	QUALITY SYMBOLS
EC NO: UCP2013-0194	▽=0
DRW:BNIRKUS 2012/07/16	▽=0
CHKD: APPR:KLANG 2012/07/17	▽=0
REV: A	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.13
3 PLACES	± 0.25
2 PLACES	± 0.25
1 PLACE	± 0.25
0 PLACE	±
ANGULAR ±1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
BJANOWIAK	2011/07/29
CHECKED BY	DATE
TMCCLELLAND	2012/05/04
APPROVED BY	DATE
TMCCLELL	2011/07/30
MATERIAL NO.	
SEE SHEET 1	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
2:1	METRIC	☉
TITLE		
10GBE 2X8 STACKED (P/F) NO CMS-LP 5AA21B00		
molex		
DOCUMENT NO.	SHEET NO.	
SD-170722-0008	3 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		