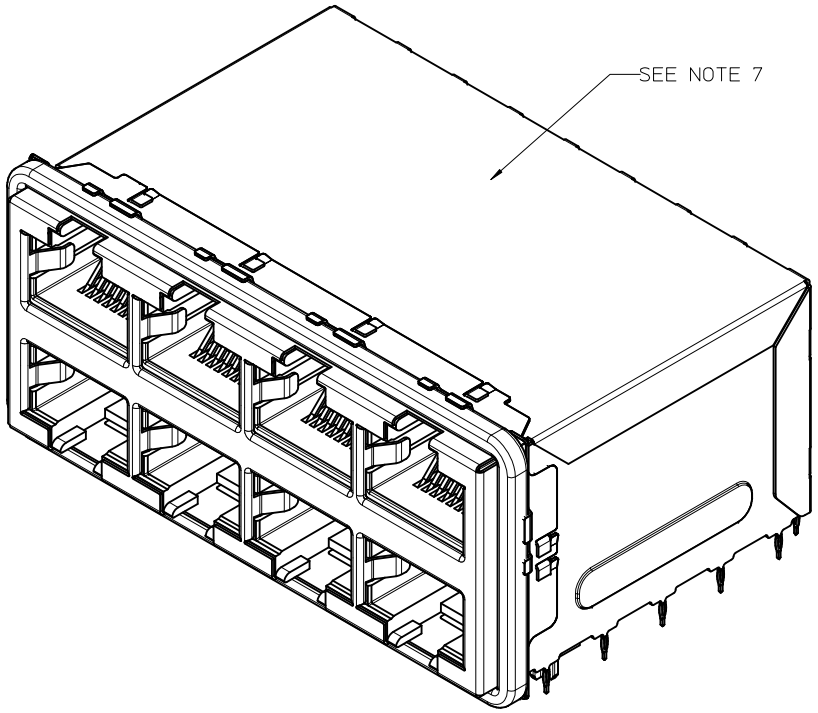


ELECTRICAL CHARACTERISTIC		VALUE AT 25°C
CHIP SIDE RETURN LOSS	1 - 10 MHz	30 dB MAX
	10 - 50 MHz	30-0.05*(freq(MHz)-10) dB MIN
	50 - 100 MHz	28-0.06*(freq(MHz)-50) dB MIN
	100 - 200 MHz	25-0.07*(freq(MHz)-100) dB MIN
	200 - 300 MHz	18-0.05*(freq(MHz)-200) dB MIN
	300 - 400 MHz	13-0.02*(freq(MHz)-300) dB MIN
	400 - 500 MHz	11-0.025*(freq(MHz)-400) dB MIN
LINE SIDE RETURN LOSS	1 - 10 MHz	30 dB MAX
	10 - 50 MHz	30-0.05*(freq(MHz)-10) dB MIN
	50 - 100 MHz	28-0.08*(freq(MHz)-50) dB MIN
	100 - 200 MHz	24-0.075*(freq(MHz)-100) dB MIN
	200 - 300 MHz	16-0.045*(freq(MHz)-200) dB MIN
	300 - 400 MHz	11.5-0.025*(freq(MHz)-300) dB MIN
	400 - 500 MHz	9-0.02*(freq(MHz)-400) dB MIN
INSERTION LOSS	1 - 400 MHz	3 dB MAX
	1000 MHz	15 dB MIN
MODE CONVERSION CM ON LINE TO DM ON CHIP	1 - 50 MHz	-43 dB MAX
	50 - 100 MHz	-43+0.06*(freq(MHz)-50) dB MAX
	100 - 500 MHz	-40+0.03*(freq(MHz)-100) dB MAX
MODE CONVERSION CM ON CHIP TO DM ON LINE	1 - 50 MHz	-42 dB MAX
	50 - 100 MHz	-42+0.1*(freq(MHz)-50) dB MAX
	100 - 200 MHz	-37+0.05*(freq(MHz)-100) dB MAX
	200 - 300 MHz	-32+0.01*(freq(MHz)-200) dB MAX
	300 - 500 MHz	-31+0.035*(freq(MHz)-300) dB MAX
COMMON MODE REJECTION	1 - 50 MHz	-21 dB MAX
	50 - 100 MHz	-21+0.04*(freq(MHz)-50) dB MAX
	100 - 200 MHz	-23+0.01*(freq(MHz)-100) dB MAX
	200 - 500 MHz	-22+0.0267*(freq(MHz)-200) 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
	500 - 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
CMS CHANNEL COMMON MODE TO DIFFERENTIAL MODE	1 - 200 MHz	-8dB MIN
	200 - 400 MHz	-10 dB MIN
	400 - 500 MHz	-12 dB MIN
OCL	100kHz / 0.1V	100 µH MIN
TURN RATIO		1.00±0.02
INSULATION RESISTANCE		2250 VDC

NOTES:
1. MATERIAL:
   HOUSING: LCP, GLASS FILLED, UL94V-0, COLOR: BLACK
   CONTACT BEAMS: COPPER ALLOY
   SHIELD: NICKEL SILVER ALLOY
   GASKET FLANGE: STAINLESS STEEL
   EMI GASKET: CONDUCTIVE MATERIAL OVER ELASTOMERIC SILICONE CORE
   PCB PINS: COPPER ALLOY
2. PLATING:
   CONTACT BEAMS: 50 MICROINCHES MIN. GOLD AND OVER
   150 MICROINCHES MIN NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-170711-0001
4. APPLICATION SPECIFICATION: AS-170711-0002
5. PRODUCT TO BE TRAY PACKAGED PER PACKAGING SPECIFICATION: PK-170849-0001.
6. CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
7. MOLEX LOGO, PART NUMBER, AND BARCODE TO BE LOCATED IN THIS APPROXIMATE LOCATION.
8. 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
170720-0014	NO

REV	DESCRIPTION	DRWN	CHKD	APPR	DATE
1	INTIAL RELEASE EC NO: UCP2012-1929	BJANOWIAK		TMCCLELL	2012/01/09

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: BJANOWIAK DATE: 2011/12/15
CHECKED BY: DATE:
APPROVED BY: TMCCLELL DATE: 2012/01/09
MATERIAL NO.: SEE CHART

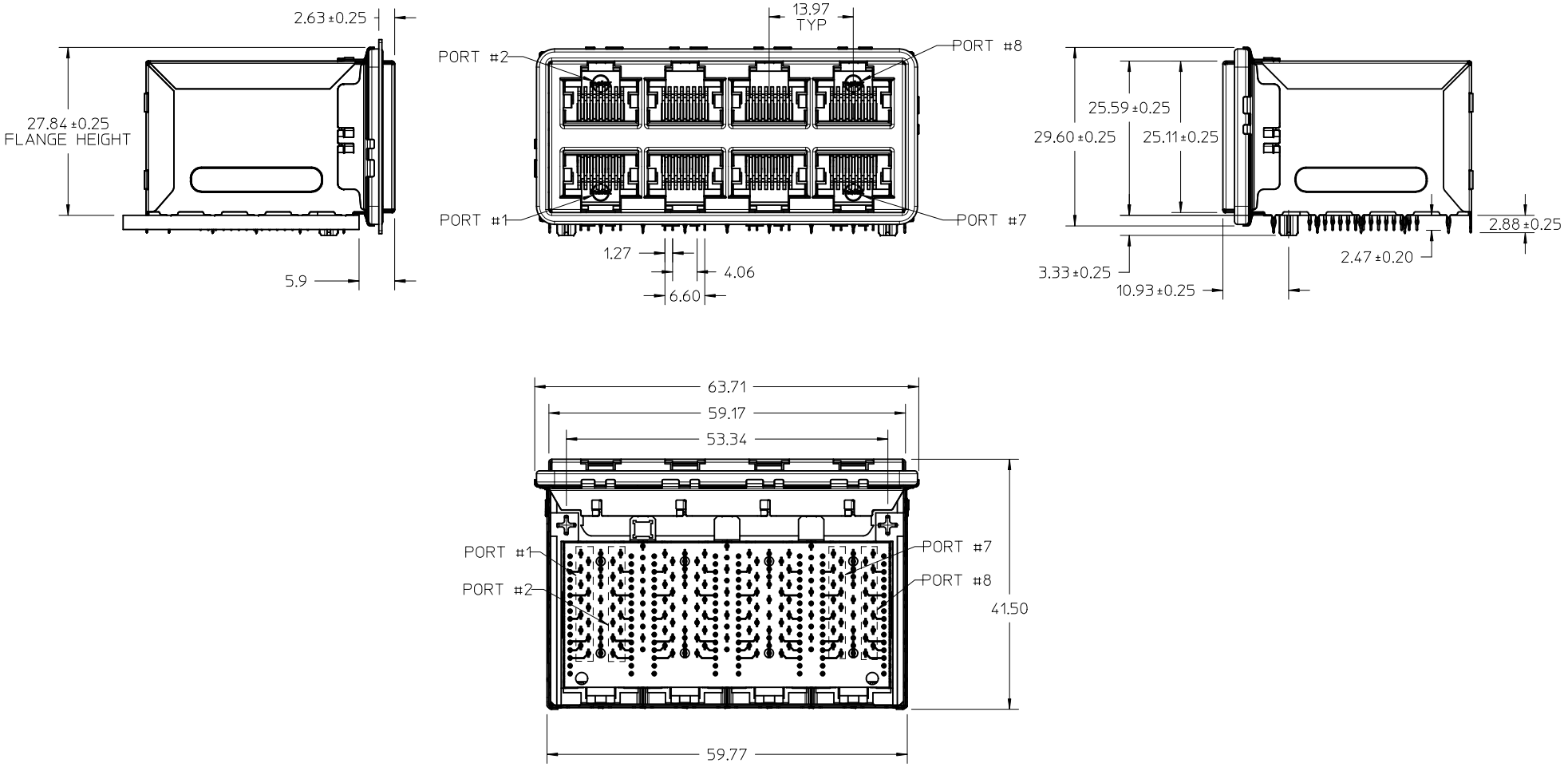
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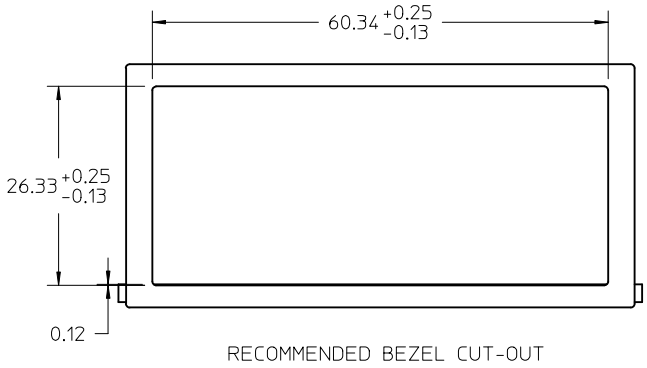
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DOCUMENT NO.: SD-170720-0014
SHEET NO.: 1 OF 3

SIZE: C

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RECOMMENDED BEZEL CUT-OUT

SEE SHEET 1
EC NO: UCP2012-1929 2011/12/15
DRWN:BJANOWIAK
CHKD:
APPR:TMCCLELL 2012/01/09
DESCRIPTION
1
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

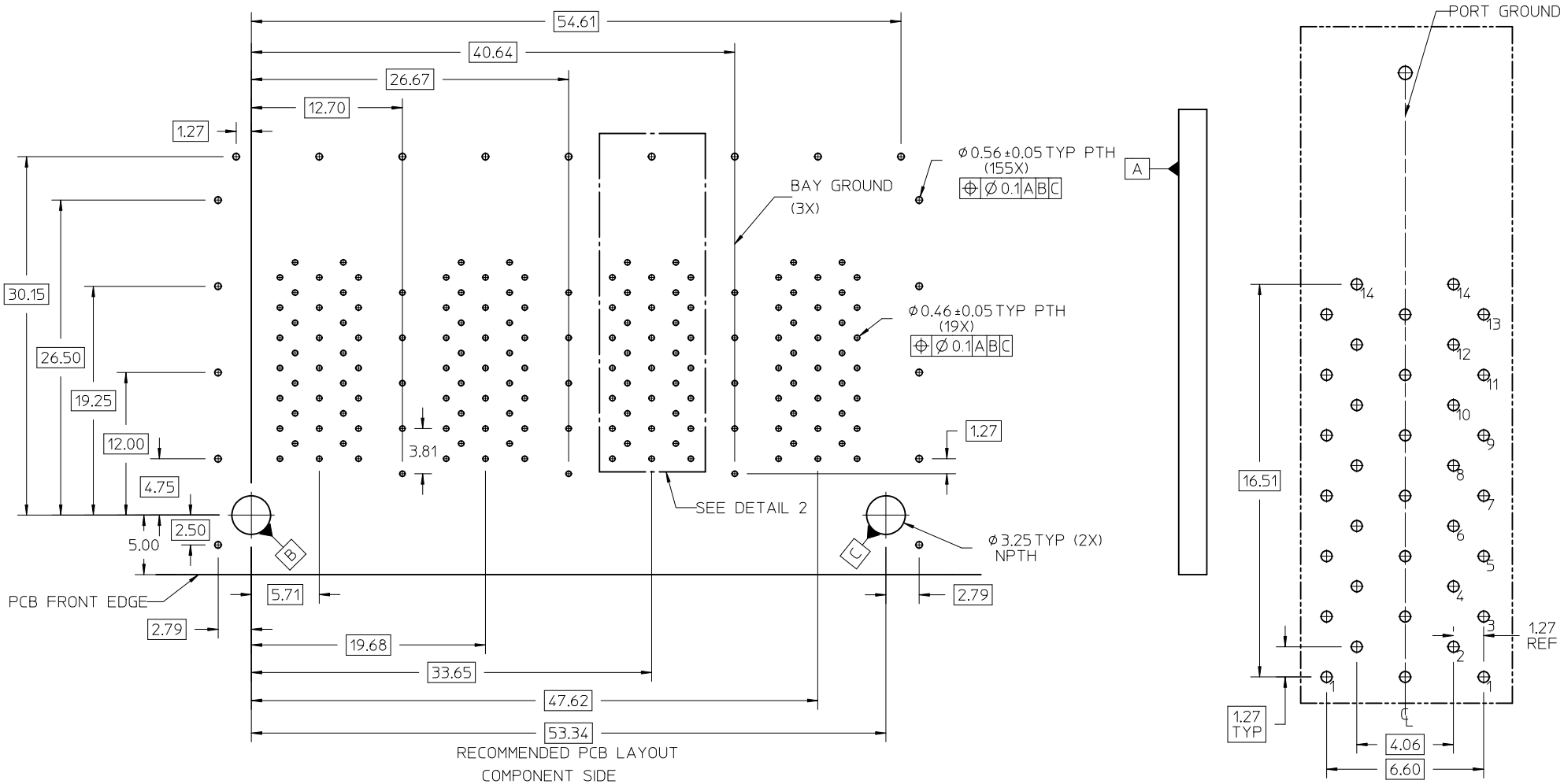
DRAWN BY: BJANOWIAK DATE: 2011/12/15
CHECKED BY: DATE:
APPROVED BY: TMCCLELL DATE: 2012/01/09

TITLE: 10GBE 2X4 STACKED NO CMS-NO LP 3AA22B00

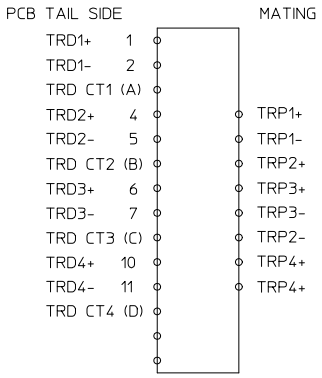
molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-170720-0014
SHEET NO.: 2 OF 3
SIZE: C

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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



CIRCUIT LAYOUT
FOR EACH PORT

SEE SHEET 1
EC NO: UCP2012-1929 2011/12/15
DRWN: BJANOWIAK
CHKD:
APPR: TMCCLELL 2012/01/09
DESCRIPTION
REV
1

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: BJANOWIAK DATE: 2011/12/15
CHECKED BY: DATE:
APPROVED BY: TMCCLELL DATE: 2012/01/09
MATERIAL NO.: SEE SHEET 1
SIZE: C

TITLE: 10GBE 2X4 STACKED NO CMS-NO LP 3AA22B00
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-170720-0014
SHEET NO.: 3 OF 3

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