

PART NUMBER	DIM A	MIN. PCB THICKNESS FOR SINGLE SIDED	MIN. PCB THICKNESS FOR BELLY TO BELLY	ELASTOMERIC GASKET FLAMMABILITY RATING
747540210	3.05	1.57	3.00	
747540212	2.28		2.28	

WEEK/YEAR DATE CODE	
WK	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52=LAST WEEK OF YEAR
YR	11, 12, 13, ETC. EXAMPLE: 2013 = 13

- NOTES:
- MATERIAL:
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm.
EMI GASKET: CONDUCTIVE ELASTOMER O-RING.
 - OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANCEIVERS.
 - NO RoHS EXEMPTIONS.

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: OBSOLETE PART NUMBER	
mm	3:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
4 PLACES	±	±	
3 PLACES	±	±	
2 PLACES	± 0.15	±	
1 PLACE	± 0.25	±	
0 PLACES	±	±	
ANGULAR TOL	± 0.5°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
		DRAWING	SERIES
		D-SIZE	74754
		MATERIAL NUMBER	CUSTOMER
		SEE P/N TABLE	CISCO
		SHEET NUMBER	1 OF 5

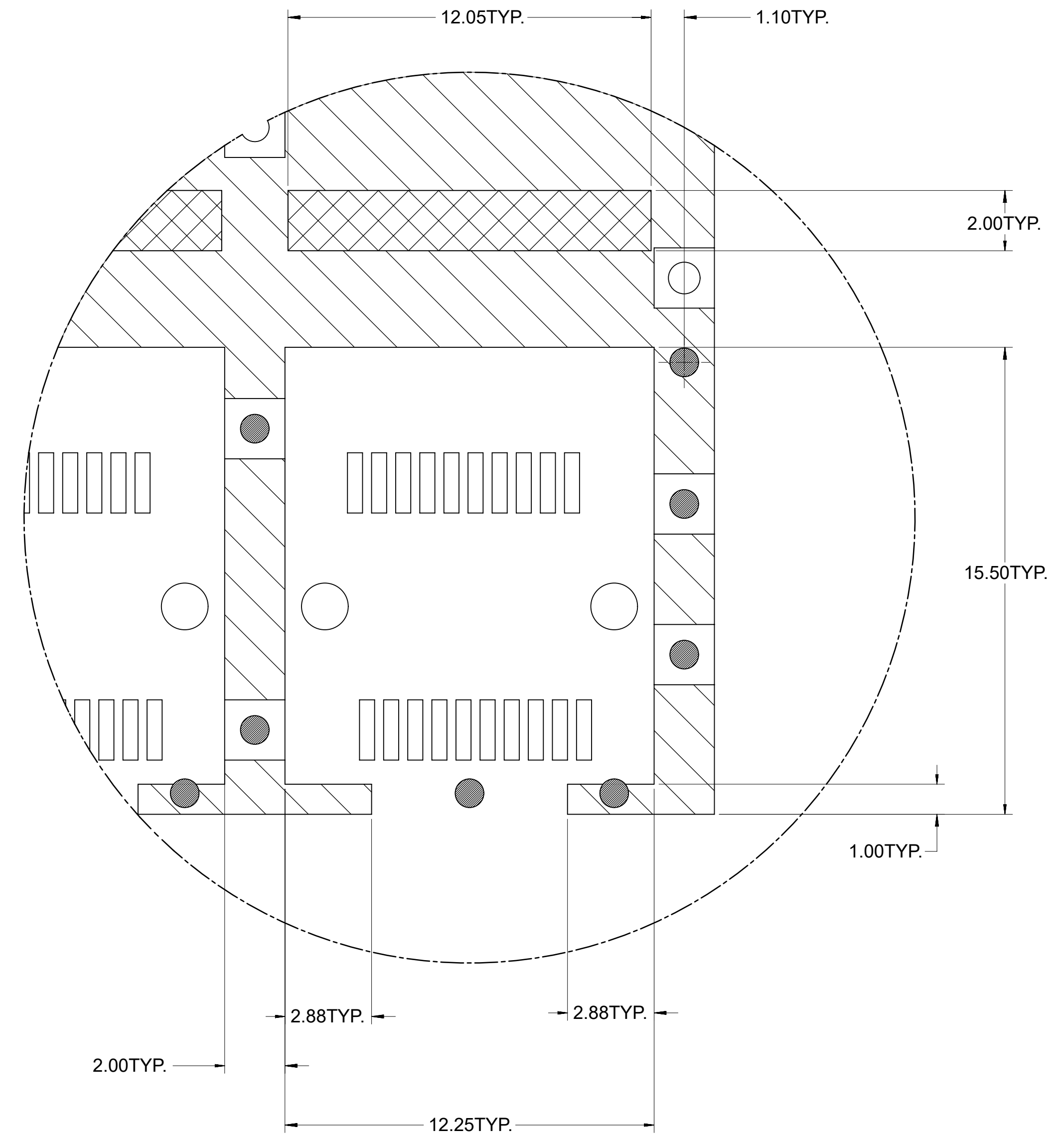
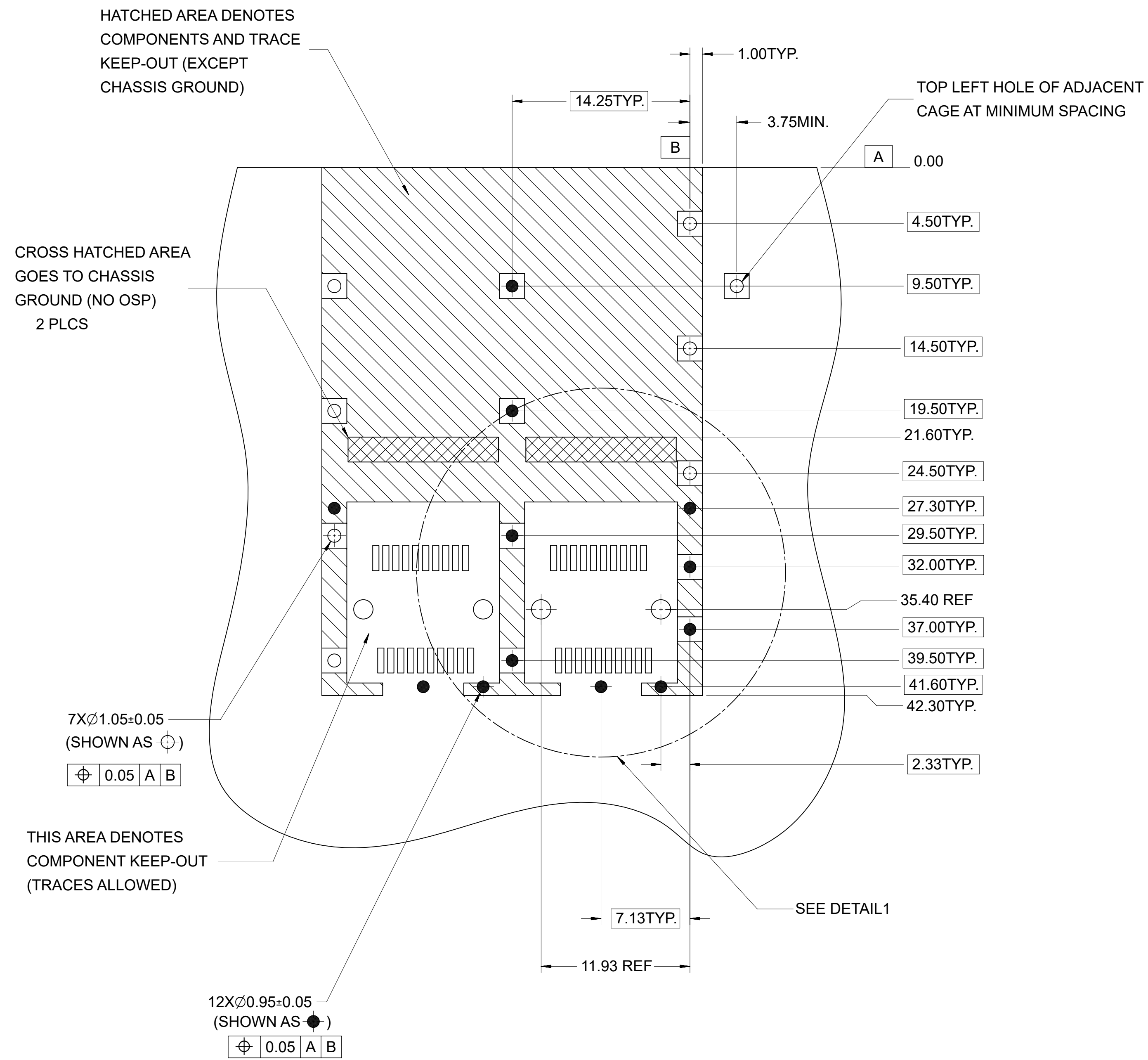
molex

SFP+ 1X2 CAGE ASSY
W/ ELASTOMER GASKET

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-74754-0210	PSD	001	G

PCB LAYOUT FOR SINGLE SIDE MOUNT

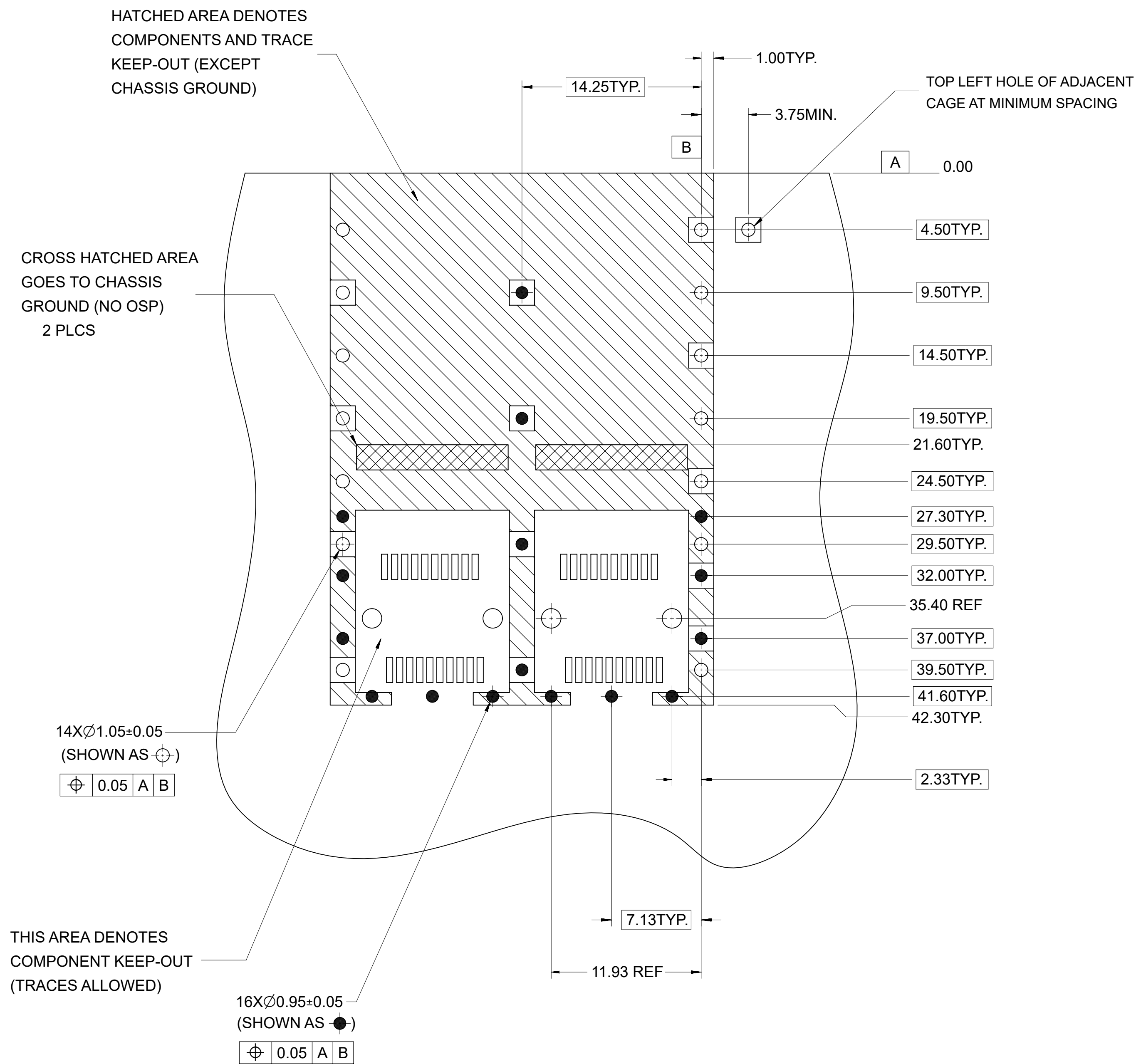


DETAIL 1
SCALE 8:1
HOST CONNECTOR DETAIL

- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER									
mm		1:1		EC NO: 655037 DRWN: VLOKESHA 2021/01/07 CHK'D: GGA 2021/03/16 APPR: GGA 2021/03/16 INITIAL REVISION: DRWN: PSYTSM 2007/05/14 APPR: BRUSSELL 2007/05/14									
GENERAL TOLERANCES (UNLESS SPECIFIED)													
	MM	INCH											
4 PLACES	±	±											
3 PLACES	±	±											
2 PLACES	± 0.15	±											
1 PLACE	± 0.25	±											
0 PLACES	±	±											
ANGULAR TOL ± 0.5°				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-74754-0210 DOC TYPE: PSD DOC PART: 001 REVISION: G									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE		74754		SEE P/N TABLE		CISCO		2 OF 5	

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



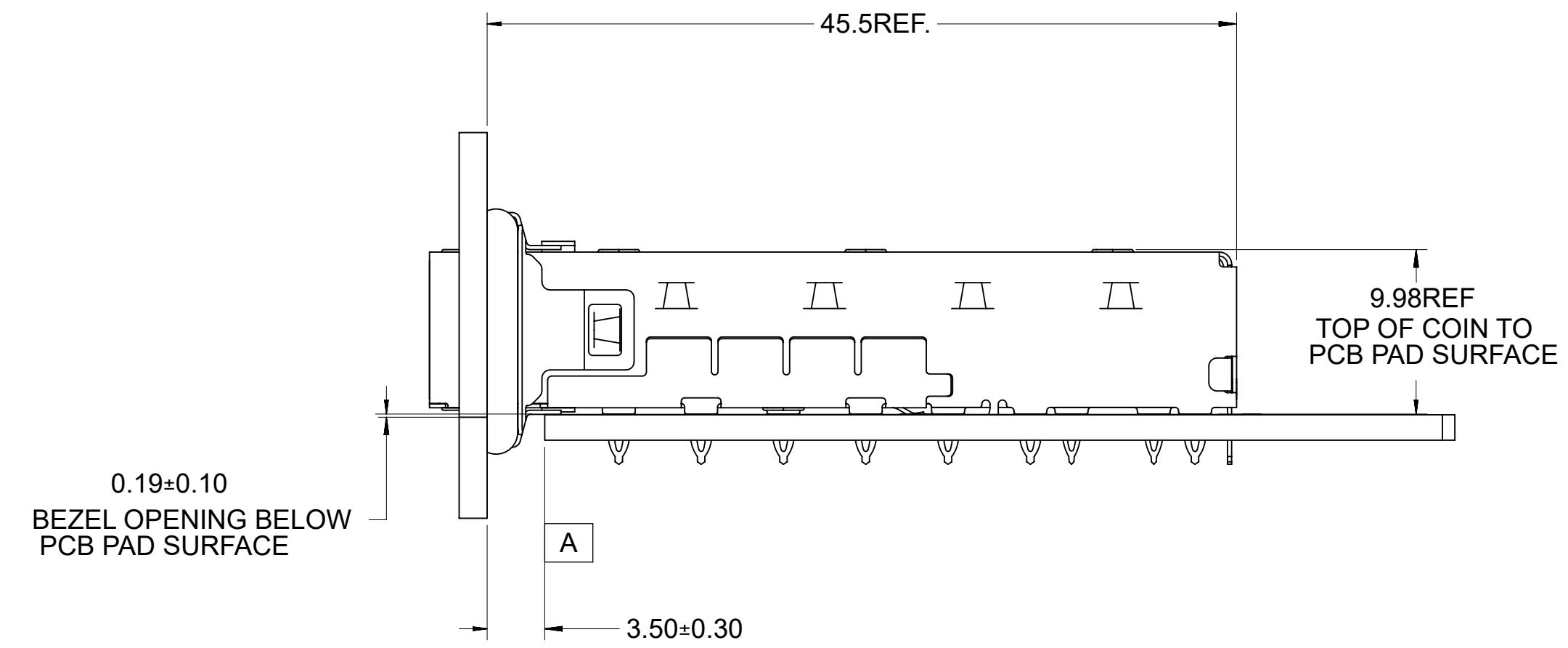
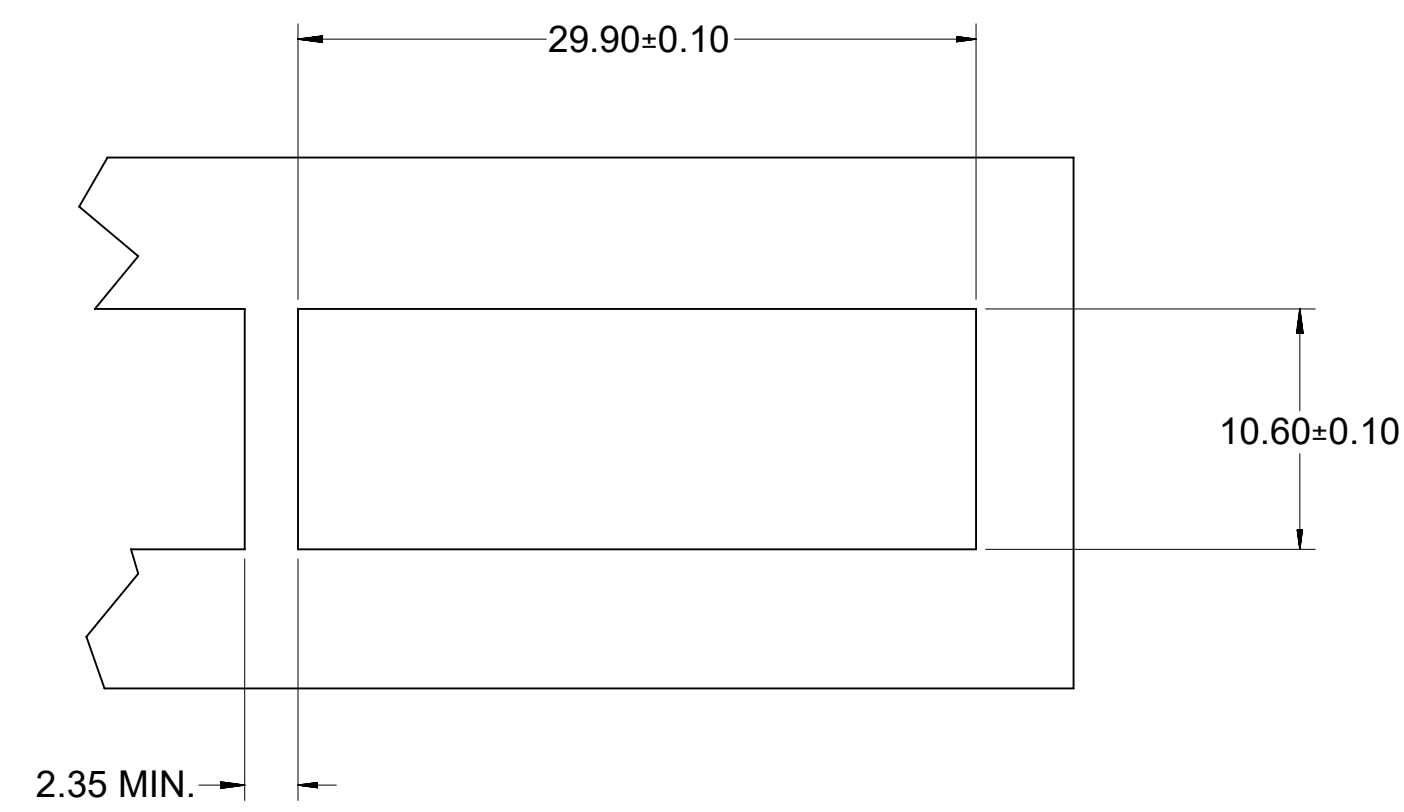
NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

NOTES:

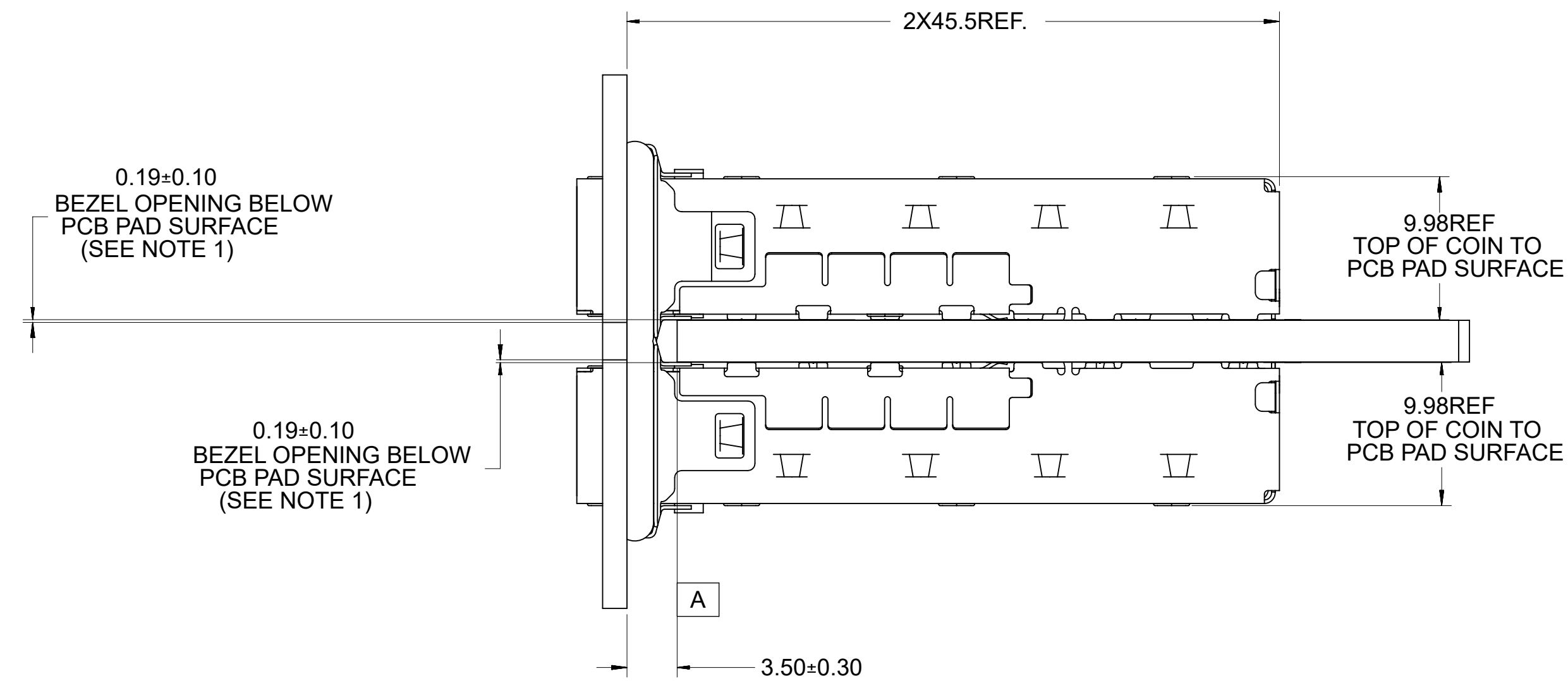
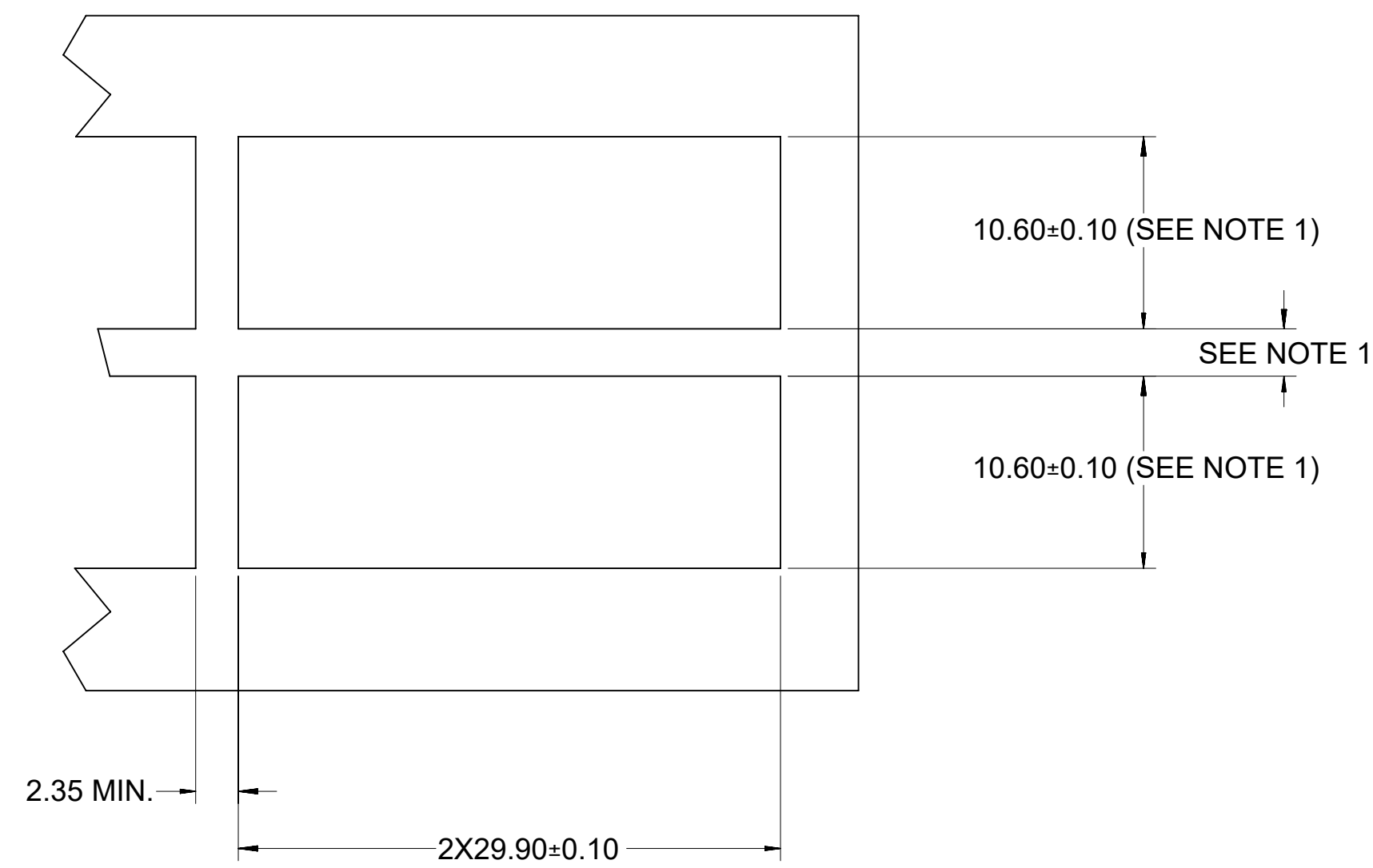
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE).
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DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: OBSOLETE PART NUMBER					
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 655037 DRWN: VLOKESHA 2021/01/07 CHK'D: GGA 2021/03/16 APPR: GGA 2021/03/16 INITIAL REVISION: DRWN: PSYTSM 2007/05/14 APPR: BRUSSELL 2007/05/14					
		MM	INCH						
4 PLACES	±	±	±						
3 PLACES	±	±	±						
2 PLACES	±	0.15	±						
1 PLACE	±	0.25	±	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-74754-0210 DOC TYPE: PSD DOC PART: 001 REVISION: G MATERIAL NUMBER: 74754 CUSTOMER: CISCO SHEET NUMBER: 3 OF 5					
0 PLACES	±	±	±						
ANGULAR TOL		± 0.5 °							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						D-SIZE		74754	

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (GASKET)



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (GASKET)



NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER						molex	
mm		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)										SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET	
		MM		INCH							
4 PLACES		±		±		EC NO: 655037					
3 PLACES		±		±		DRWN: VLOKESHA 2021/01/07					
2 PLACES		±		0.15		CHK'D: GGA 2021/03/16					
1 PLACE		±		0.25		APPR: GGA 2021/03/16					
0 PLACES		±		±		INITIAL REVISION:					
ANGULAR TOL		±		0.5 °		DRWN: PSYTSM 2007/05/14					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
		D-SIZE		74754		SEE P/N TABLE		CISCO		SHEET NUMBER	
								SD-74754-0210		PSD 001 G	
DOCUMENT STATUS		P1		RELEASE DATE		2021/03/16 13:03:15					

REVISION HISTORY

DATE	REV	DESCRIPTION
05/12/2014	F	1. ADDED P/N 747540229. [SHT 1] 2. ADDED "MM 3D MODEL: EM-74754-0210" ON LEFT TOP CORNER. [SHT 1] 3. NOTE 4 CHANGED AS " NO RoHS EXEMPTIONS ". [SHT 1] 4. ADDED DIM 9.98 @F7. [SHT 1]
2021/01/07	G	1. OBSOLETE PART NUMBER

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER			molex			
mm	1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)								
						MM	INCH	
4 PLACES	±	±	±	EC NO: 655037 DRWN: VLOKESHA 2021/01/07 CHK'D: GGA 2021/03/16 APPR: GGA 2021/03/16				
3 PLACES	±	±	±					
2 PLACES	±	0.15	±	INITIAL REVISION: DRWN: PSYTSM 2007/05/14 APPR: BRUSSELL 2007/05/14				
1 PLACE	±	0.25	±					
0 PLACES	±		±	DOCUMENT NUMBER SD-74754-0210	DOC TYPE PSD	DOC PART 001	REVISION G	
ANGULAR TOL	±	0.5 °		DRAWING THIRD ANGLE PROJECTION 		D-CUSTOMER SEE P/N TABLE CISCO		SHEET NUMBER 5 OF 5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								