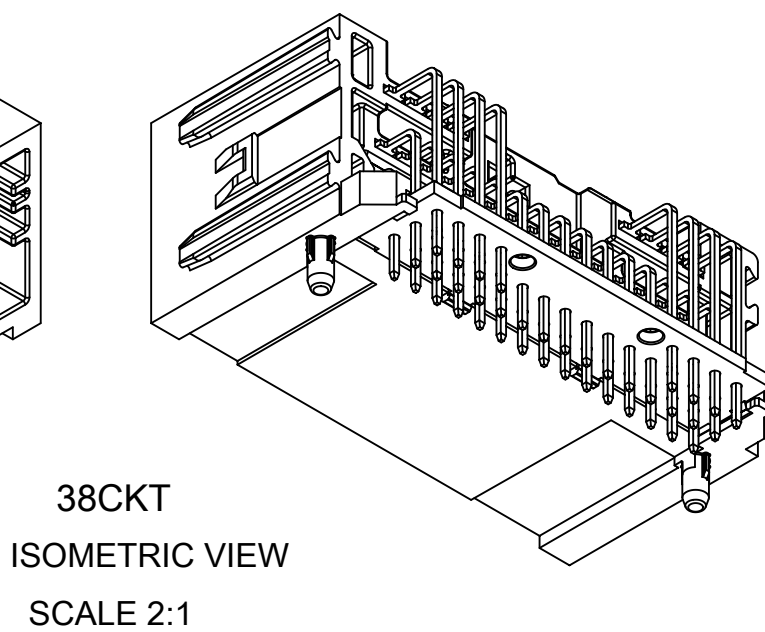
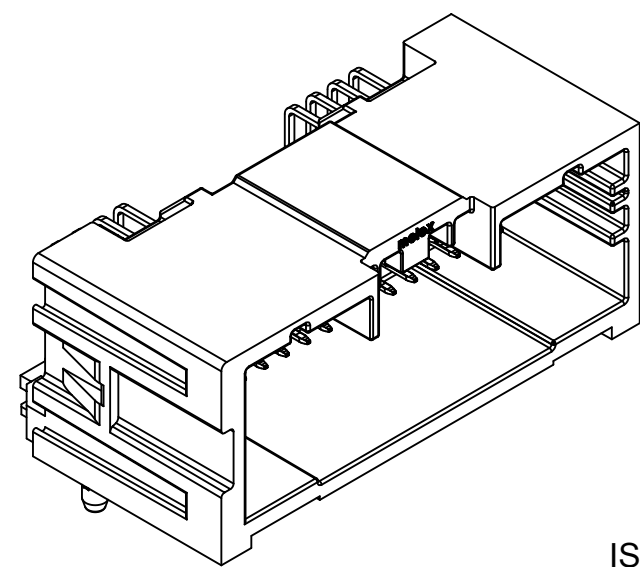
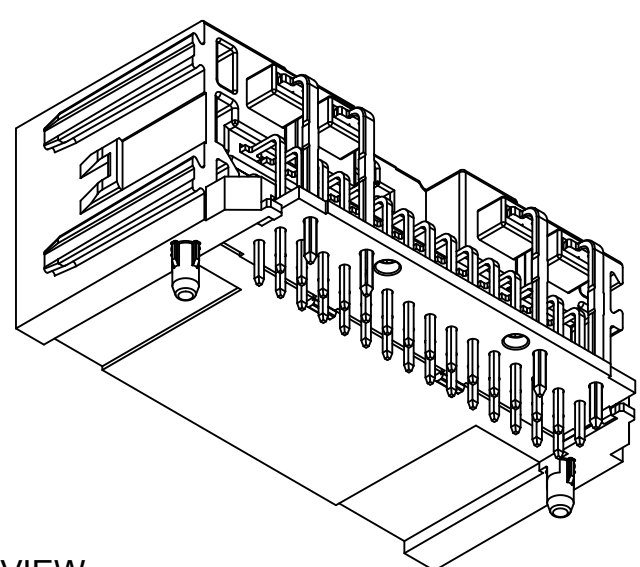
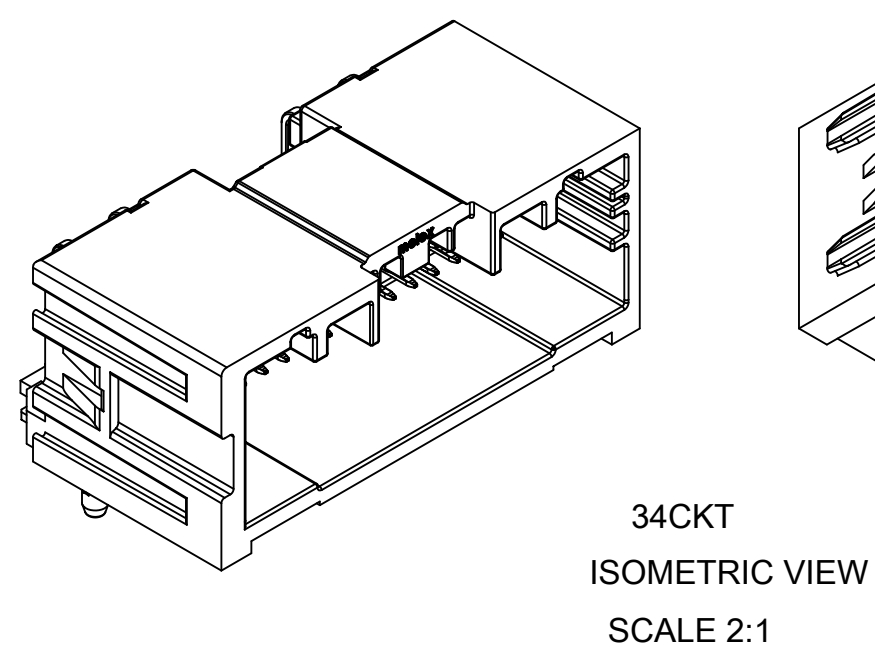


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2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW
3	DETAIL DIMENSION VIEW
4	DETAIL DIMENSION VIEW
5	REFERENCE PCB LAYOUT



MINI50 34/38CKT RIGHT ANGLE HEADER ASSEMBLY LIST

MATERIAL NUMBER			CKT SIZE	FLAMMABILITY UL94	POLARIZATION	COLOR	STATUS
TRAY PACKAGING PK-31302-070	TUBE PACKAGING PK-31301-688	TAPE AND REEL PK-47799-0001					
34961-0340	34961-7340	34961-8340	34	HB	A	BLACK	SALEABLE
34961-0341	34961-7341	34961-8341	34	HB	B	GREY	SALEABLE
34961-0342	34961-7342	34961-8342	34	HB	C	DK GREY	SALEABLE
34961-0380	34961-7380	34961-8380	38	HB	A	BLACK	OBSOLETED
34961-0381	34961-7381	34961-8381	38	HB	B	GREY	OBSOLETED
34961-0382	34961-7382	34961-8382	38	HB	C	DK GREY	OBSOLETED
34961-0383	34961-7383	34961-8383	38	HB	UPDATED A	BLACK	SALEABLE
34961-0384	34961-7384	34961-8384	38	HB	UPDATED B	GREY	SALEABLE
34961-0385	34961-7385	34961-8385	38	HB	UPDATED C	DK GREY	SALEABLE
2133550340	2133557340	2133558340	34	V0	A	BLACK	SALEABLE
J2 2133550341	2133557341	2133558341	34	V0	B	GREY	SALEABLE
J2 2133550342	2133557342	2133558342	34	V0	C	DK GREY	SALEABLE
J2 2133550380	2133557380	2133558380	38	V0	UPDATED A	BLACK	SALEABLE
J2 2133550381	2133557381	2133558381	38	V0	UPDATED B	GREY	SALEABLE
J2 2133550382	2133557382	2133558382	38	V0	UPDATED C	DK GREY	SALEABLE

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER	0	1	3	6	10	15	22	30	40	53	70	90	120
		UP TO	1	3	6	10	15	22	30	40	53	70	90	120	160
PRECISION ENGINEERING	A		±0.10	±0.12	±0.14	±0.16	±0.20	±0.22	±0.24	±0.26	±0.28	±0.31	±0.35	±0.40	±0.50
	B		±0.05	±0.06	±0.07	±0.08	±0.10	±0.12	±0.14	±0.16	±0.18	±0.21	±0.25	±0.30	±0.40

A: FOR NON-MOLD RELATED DIMENSIONS (ACROSS PARTING LINE)
B: FOR MOLD RELATED DIMENSIONS (WITHIN MOLD COMPONENTS)

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: J2
LAST BALLOON NUMBER USED: 27
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS: 9 - 16

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/25	09:36:55
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J2 NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:
HB VALIDATION SPECIFICATION: GMW3191 JUNE 2012
V0 VALIDATION SPECIFICATION: USCAR-2 REV6
SOLDERABILITY: SMES-152
 - APPLICATION SPECIFICATION: AS-34959-001
TEST SUMMARY:
HB: TS-34959-001
V0: 2133550000-TS
PRODUCT SPECIFICATION:
HB: PS-34959-001
V0: 2133550000-PS
COSMETIC SPECIFICATION: PS-45499-002 Class B
GEOMETRIC TOLERANCING: SEE DIN 16901 TABLE
MATES WITH: SD-34959-030
PACKAGING SPECIFICATION: SEE TABLE.
 - DESIGN: MATERIALS:
 - SHROUD (PLASTIC HOUSING):
HB RESIN - SPS 30%GF
V0 RESIN - SPS 30%GF
 - PIN ALIGNMENT PLATE:
HB RESIN - SPS 30%GF
V0 RESIN - SPS 30%GF
 - 0.50MM BLADES:
BASE MATERIAL: C26800
PLATING TYPE: AS NOTED
 - 1.20MM BLADES:
BASE MATERIAL: C26800
PLATING TYPE: AS NOTED
 - PLATING REQUIREMENTS:
 - UNDERPLATING - OVERALL NICKEL
 - OVERPLATING - OVERALL REFLOWED TIN

REV	REV DESCRIPTION	ECN SAP NO.
J2	SHEET 1: UPDATED NOTES INFORMATION SHEET 1: UPDATED V0 PRODUCT STATUS SHEET 4: DIM 3: 10.77±0.18 WAS 10.77(+0.13/-0.08) SHEET 5: REMOVED BALLOON NUMBER FOR DIMENSION OF PCB LAYOUT	658910
J1	1. UPDATED BELOW PART NUMBER STATUS TO OBSOLETE: 34961-0380, 34961-7380, 34961-8380 34961-0381, 34961-7381, 34961-8381 34961-0382, 34961-7382, 34961-8382 2. UPDATED BELOW V0 PART NUMBER STATUS TO SALEABLE: 2133550340, 2133557340, 2133558340 3. ADDED V0 VALIDATION SPECIFICATION & V0 PRODUCT SPECIFICATION INFORMATION IN NOTES	631858
J	1. ADDED V0 NEW PART NUMBER IN SHEET 1: 2133550340, 2133550341, 2133550342, 2133550380, 2133550381, 2133550382 2133557340, 2133557341, 2133557342, 2133557380, 2133557381, 2133557382 2133558340, 2133558341, 2133558342, 2133558380, 2133558381, 2133558382 2. ADDED SHEET 2 TO SHOW 34&38CKT POLARIZATION OPTION & HB / V0 VERSION DIFFERENCE 3. ADDED V0 PLASTIC MATERIAL INFORMATION IN NOTES	626237
H1	1. UPDATED NEWEST VIEW OF THE POLARIZATION OPTION UPDATED A & B C. 2. ADDED DIM1A, DIM 3A, DIM 6A, DIM 7A. 3. UPDATED PRODUCT STATUS. 4. UPDATED DIM 26: 0.4±0.03 WAS 0.4±0.10	609559
H	ADDED THE FOLLOW ITEMS TO CUSTOMER DRAWING: 1. ADDED DATUM F, DATUM G AND DATUM H, SEE SHEET 2 AND SHEET 3. 2. ADDED NEW UPWARD VIEW FOR 38WAY HEADER ASSEM, SEE SHEET 2. 3. ADDED NEW VIEW SECTION X-X, SECTION Y-Y, SECTION Z-Z AND SECTION W-W, SEE SHEET 3.	10904363
G	ADDED NEW VIEW OF UPDATED POL A & B C, SEE SHEET 1. ADDED NEW P/N: 34961-0383 \ 34961-0384 \ 34961-0385 \ 34961-7383 \ 34961-7384 \ 34961-7385 \ 34961-8383 \ 34961-8384 \ 34961-8385 IN THE BOM ON SHEET 1. ADDED PRODUCT STATUS IN BOM.	10885609

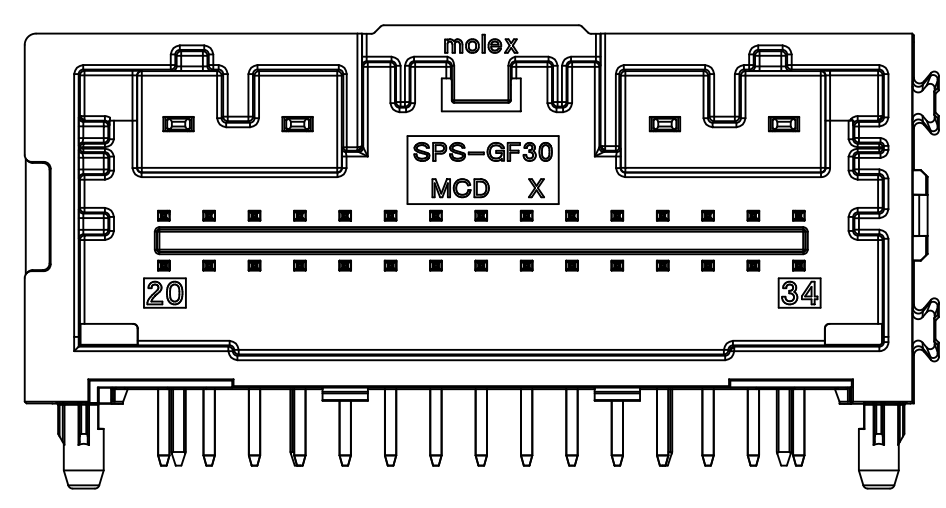
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FA = 0	DIMENSION UNITS	SCALE		
FC = 0	mm	3:1		
FP = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL	±		
	4 PLACES	±		
	3 PLACES	±		
	2 PLACES	±		
	1 PLACE	±		
	0 PLACES	±		
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			⊕	D-SIZE
			34961	SERIES
			34961	MATERIAL NUMBER
			GENERAL MARKET	CUSTOMER
			1 OF 5	SHEET NUMBER

34 & 38CKT MINI50
RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

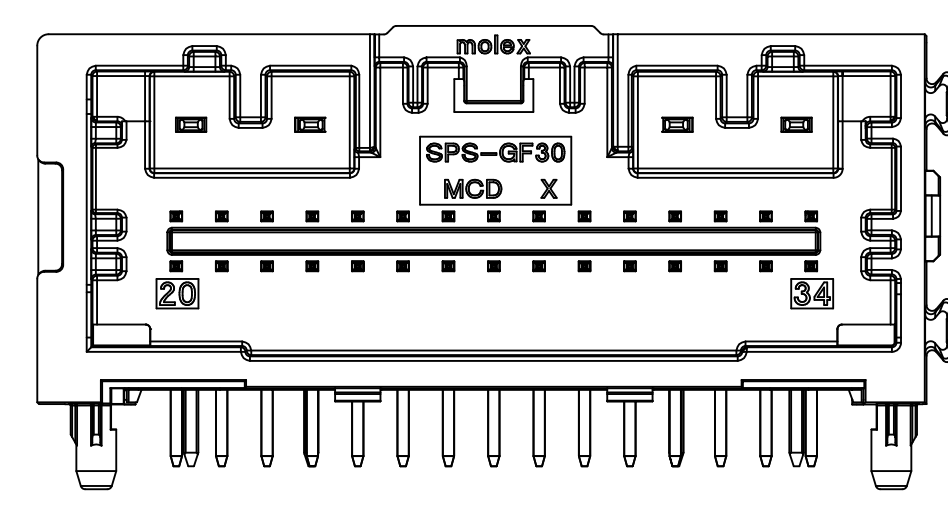
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-34961-030 DOC TYPE: PSD DOC PART: 001 REVISION: J2

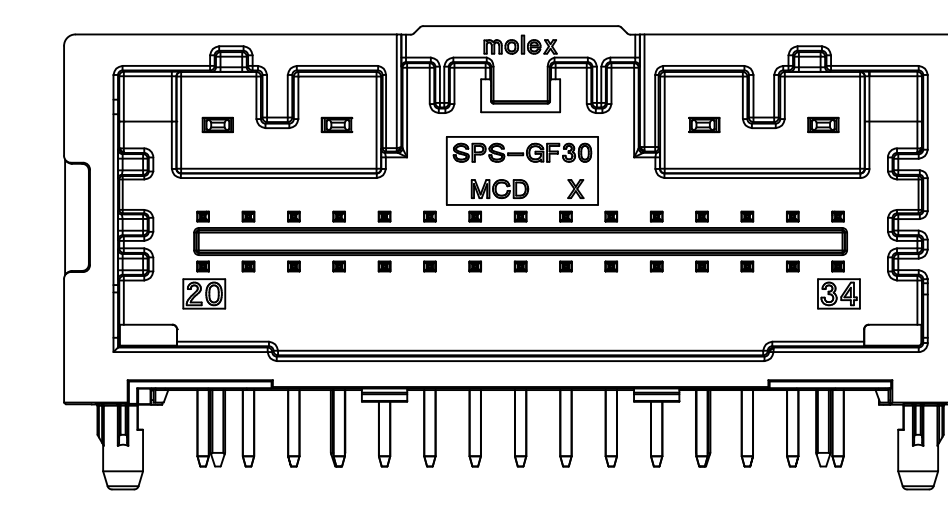
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2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW



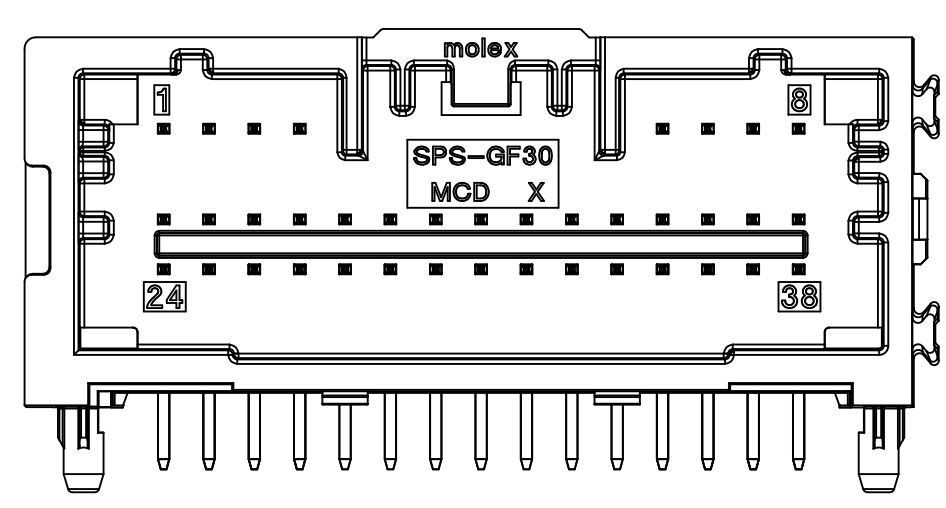
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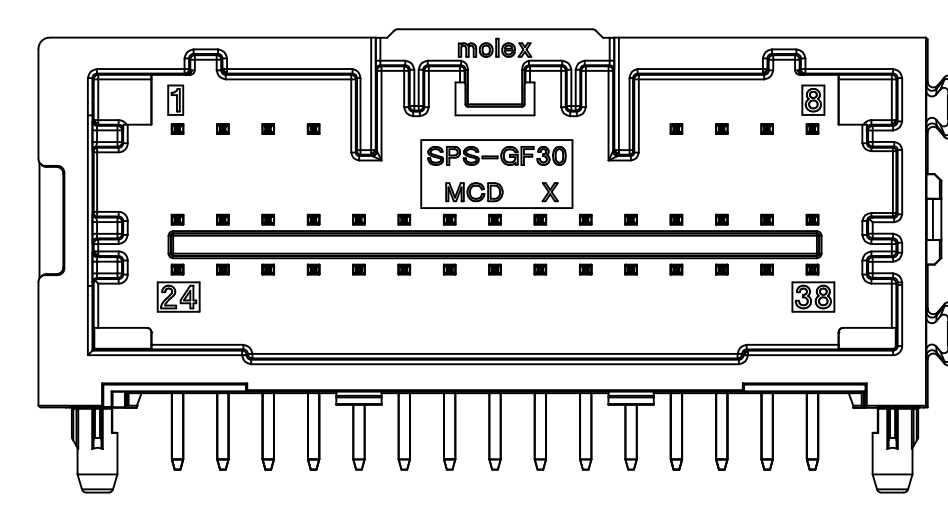
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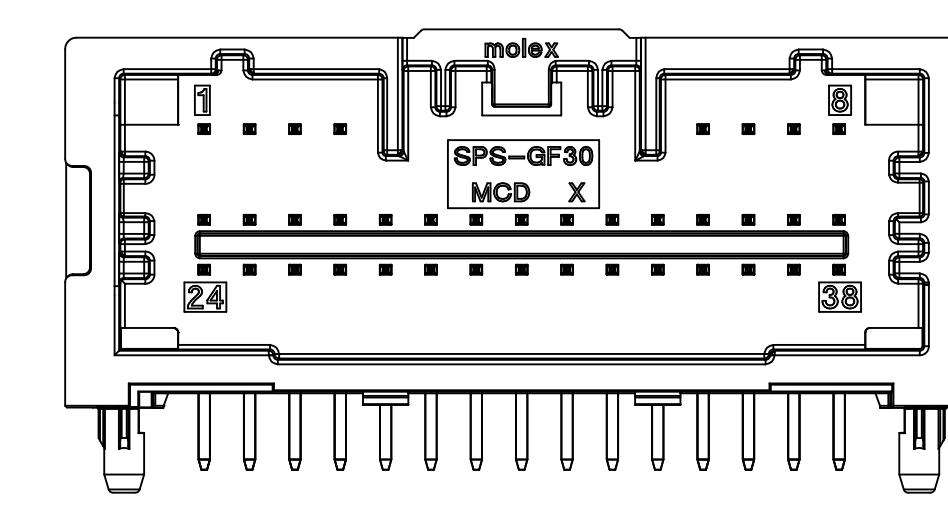
34CKT POLARIZATION OPTION C



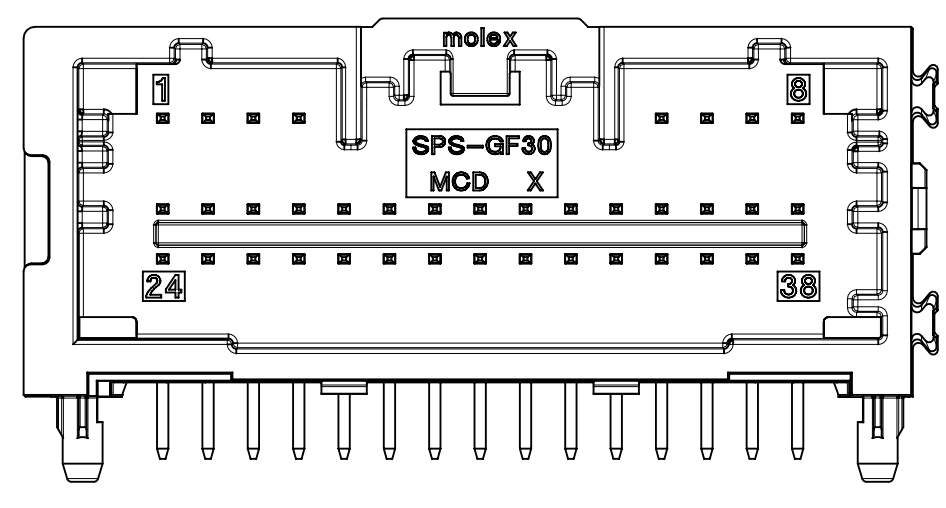
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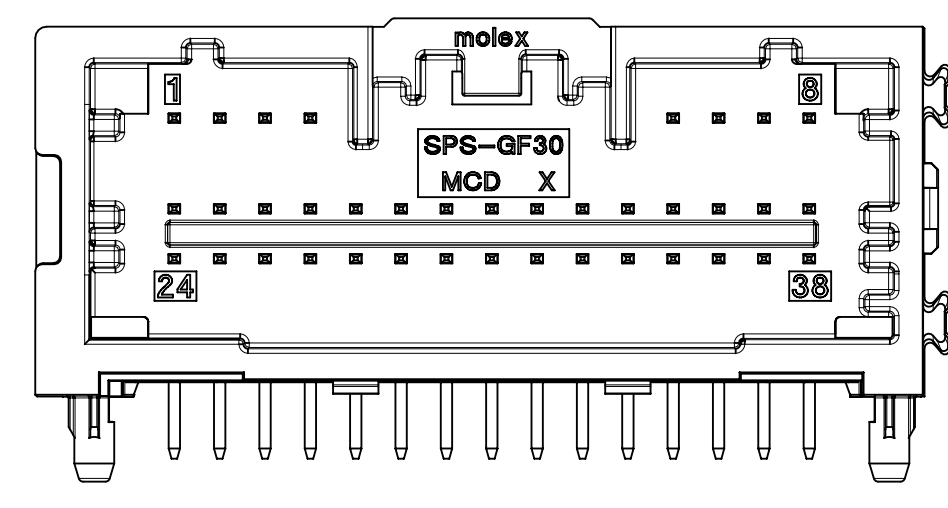
38CKT POLARIZATION OPTION B



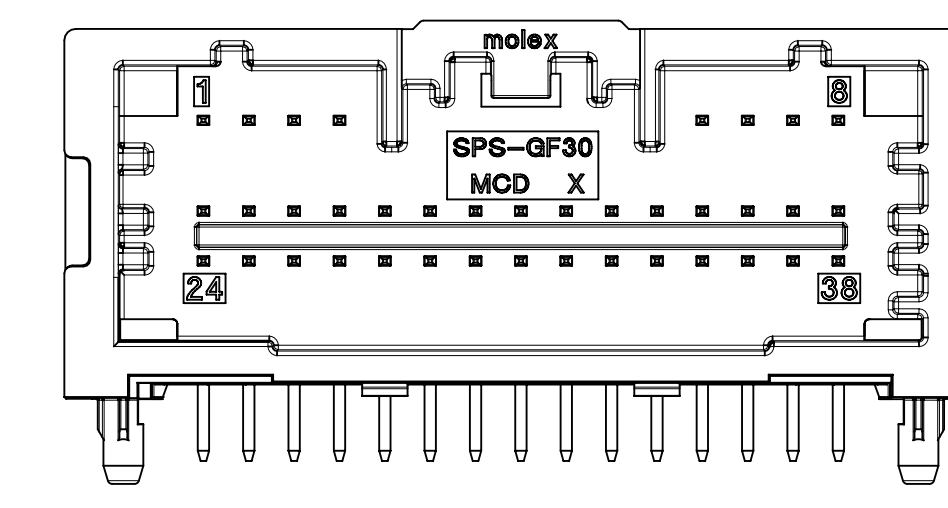
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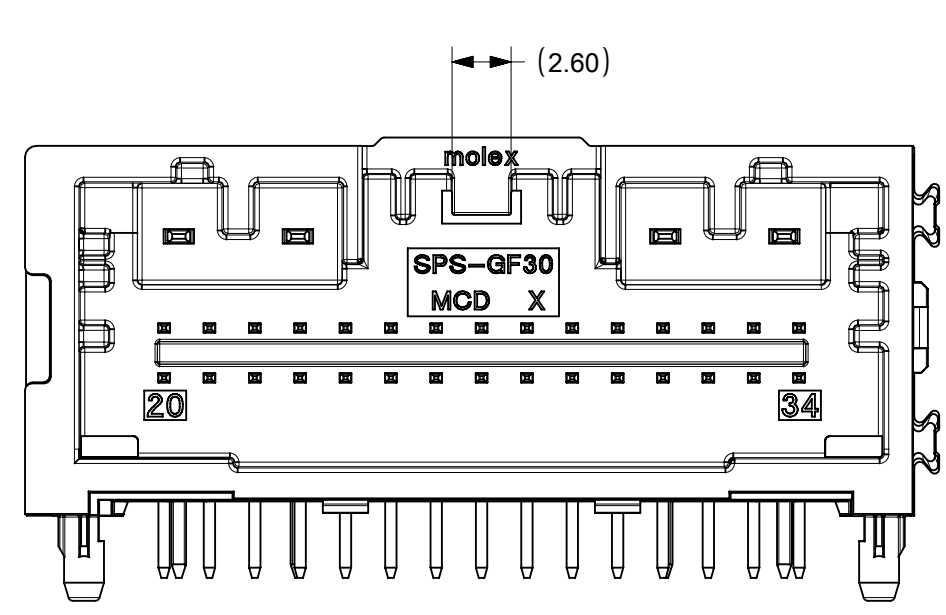
38CKT POLARIZATION OPTION UPDATED A



38CKT POLARIZATION OPTION UPDATED B

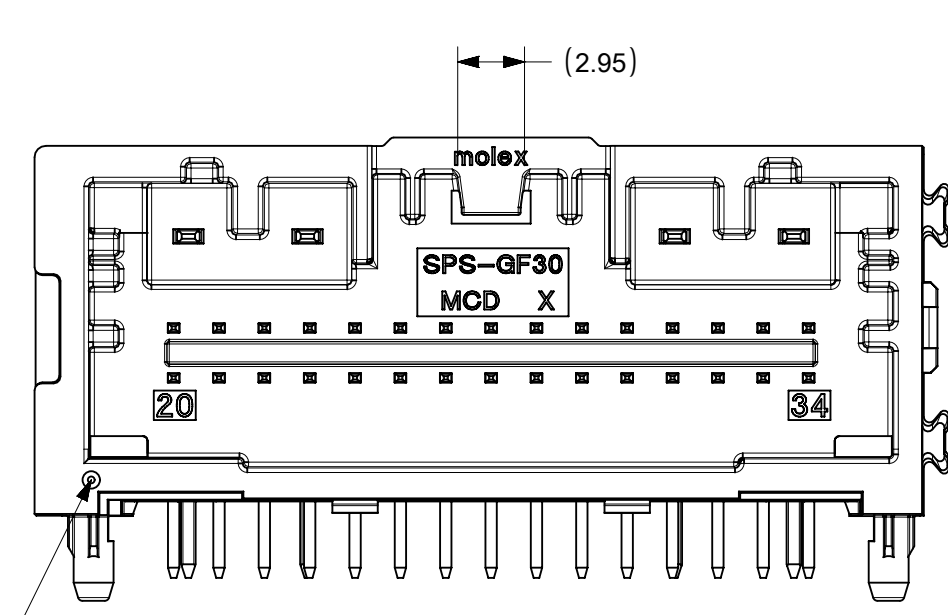


38CKT POLARIZATION OPTION UPDATED C



HB P/Ns: 34961XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

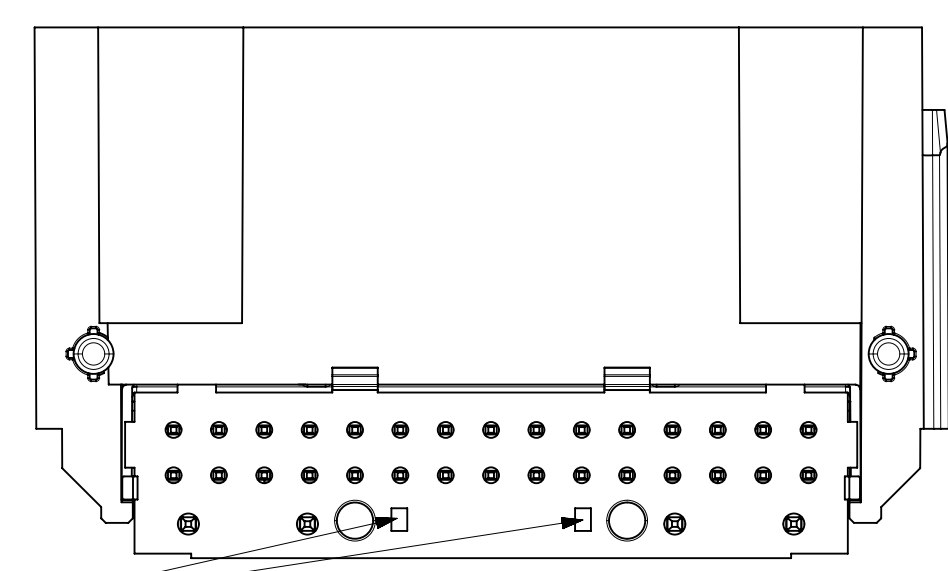
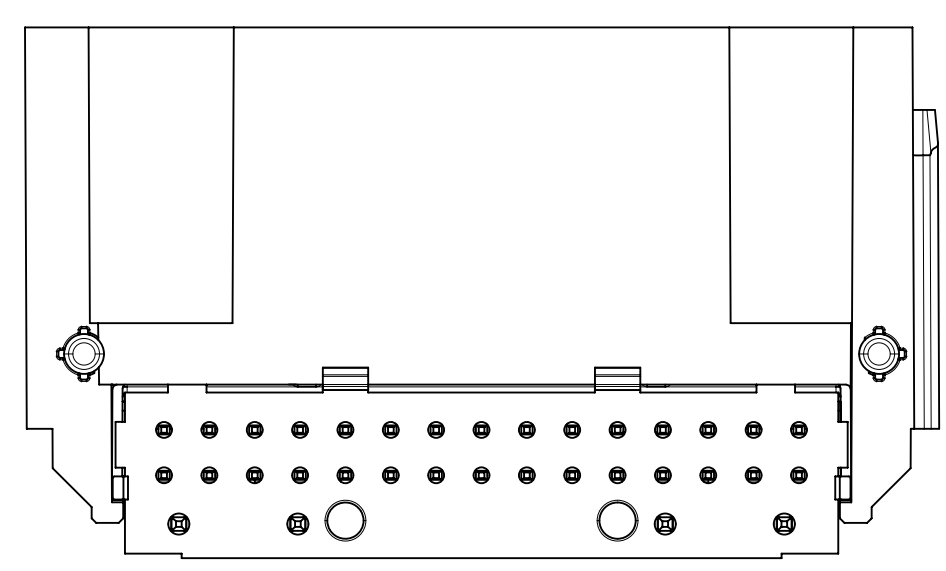
HB / V0 VERSION DIFFERENCE



DEPRESSION FEATURE ADDED TO V0 PART TO DISTINGUISH FROM HB PART

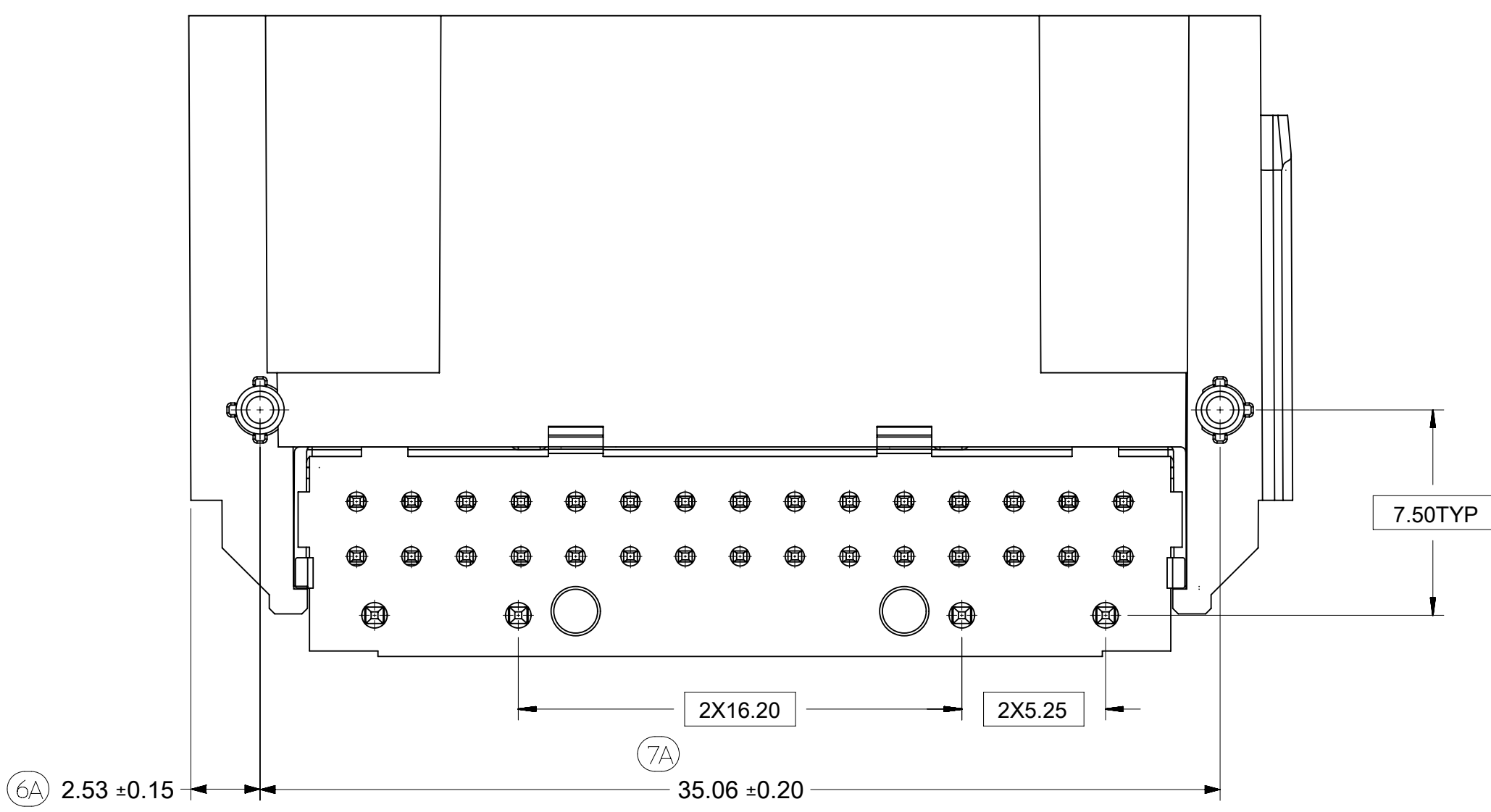
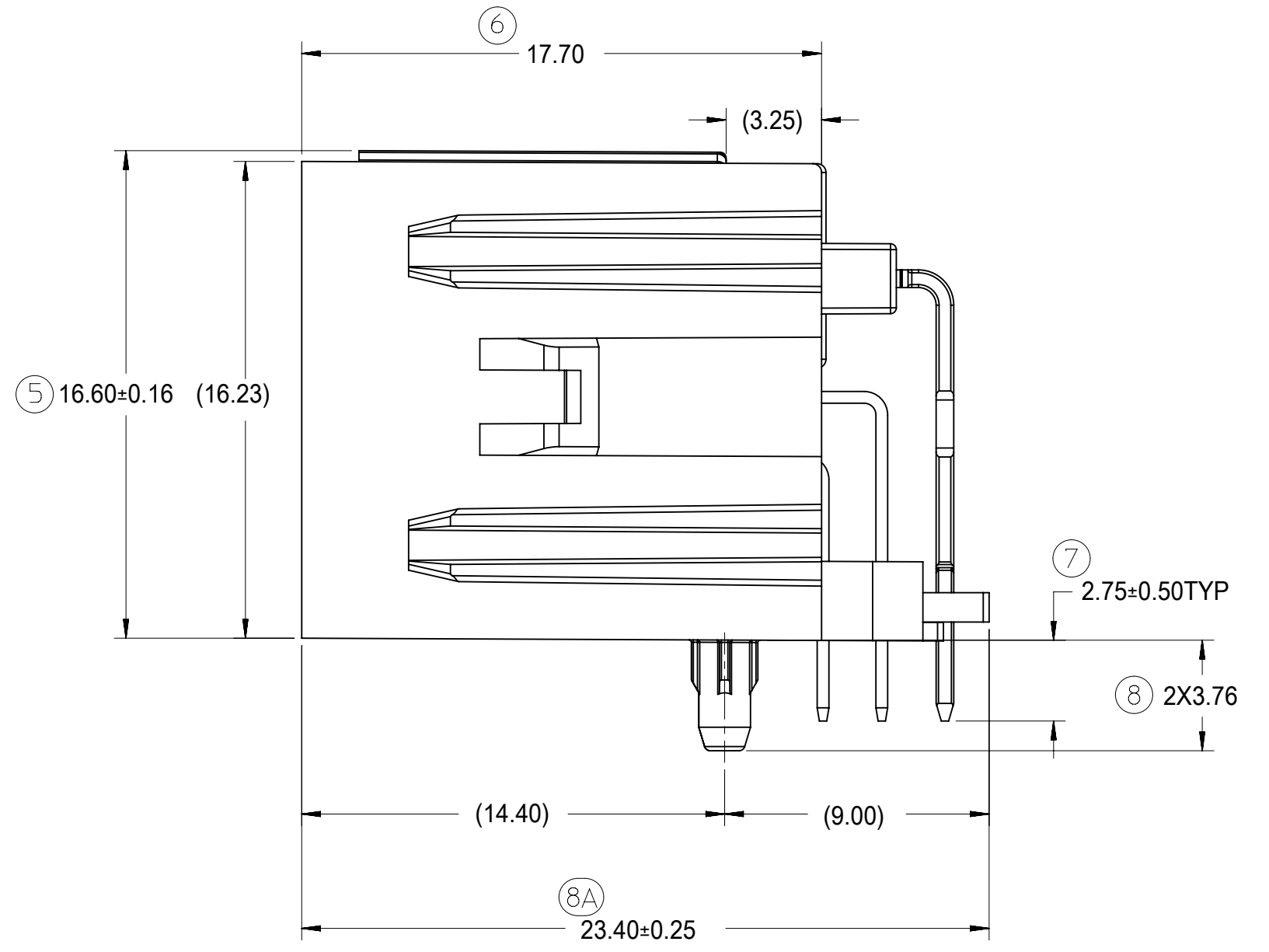
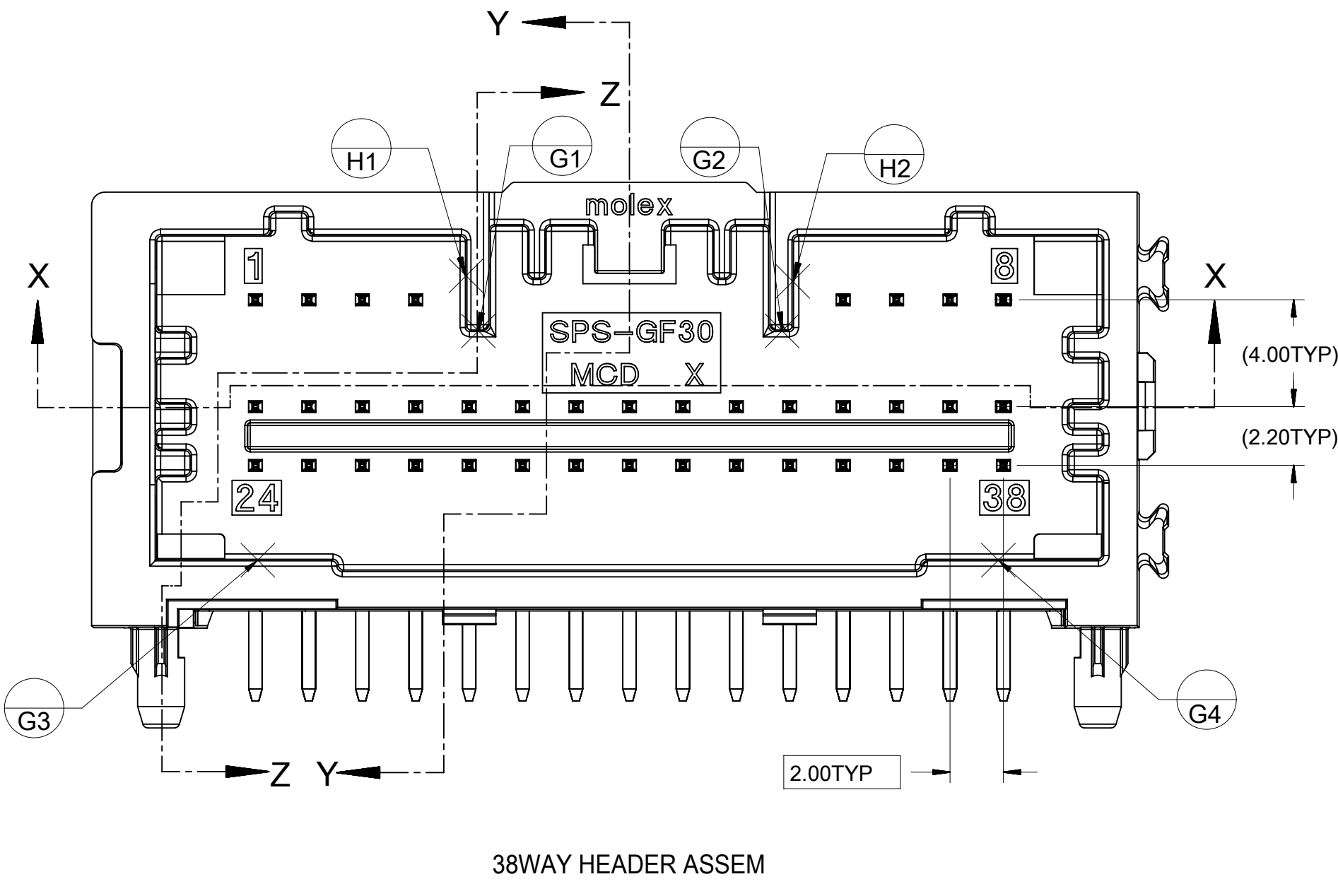
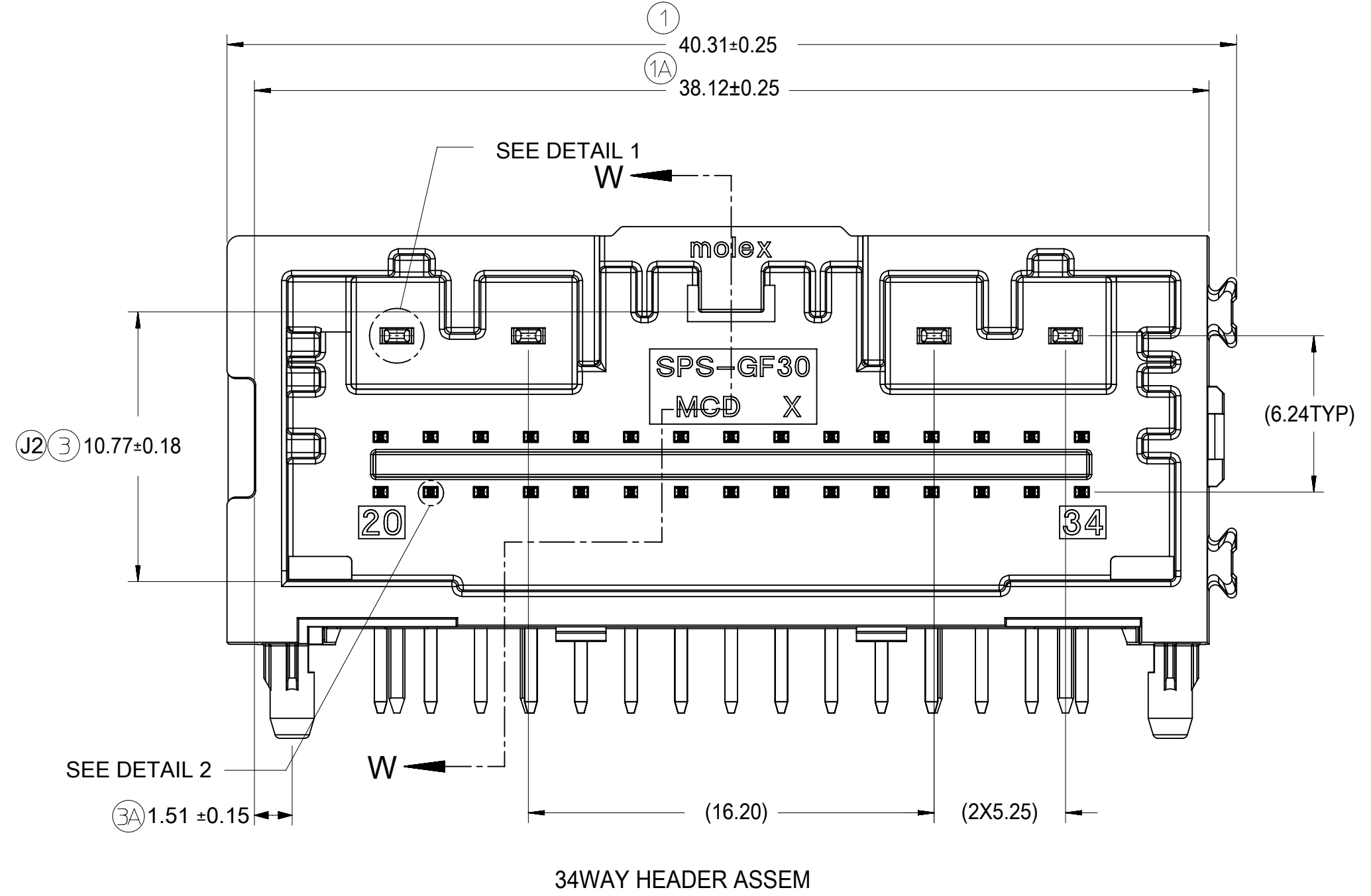
HOLE FEATURE ADDED TO V0 PART TO DISTINGUISH FROM HB PART

V0 P/Ns: 213355XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN



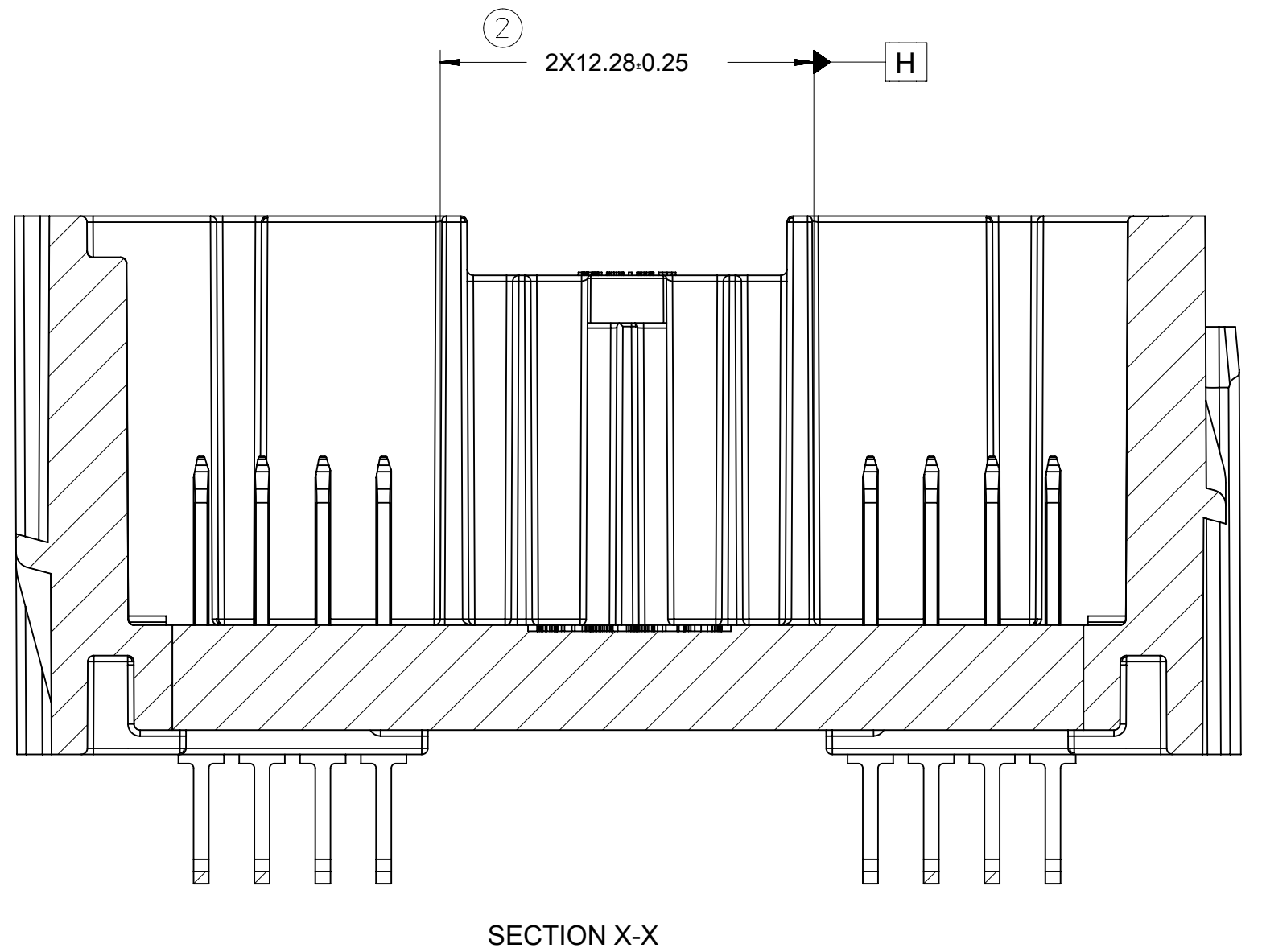
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$F_D = 0$	ANGULAR TOL ± °		APPR: CDZHANG	2021/03/25	
DIVISIONAL SYMBOLS	4 PLACES	±	INITIAL REVISION:		
	3 PLACES	±	DRWN: JFISCHER01	2012/11/21	
	2 PLACES	±	APPR: KDEKOSKI	2012/12/21	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	
			D-SIZE	34961	
DOCUMENT STATUS	P1	RELEASE DATE	2021/03/25 09:36:55	DOCUMENT NUMBER	SD-34961-030
				DOC TYPE	PSD
				DOC PART	001
				REVISION	J2
				MATERIAL NUMBER	
				CUSTOMER	GENERAL MARKET
				SHEET NUMBER	2 OF 5

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SHEET NO.	SHEET DESCRIPTION
3	DETAIL DIMENSION VIEW

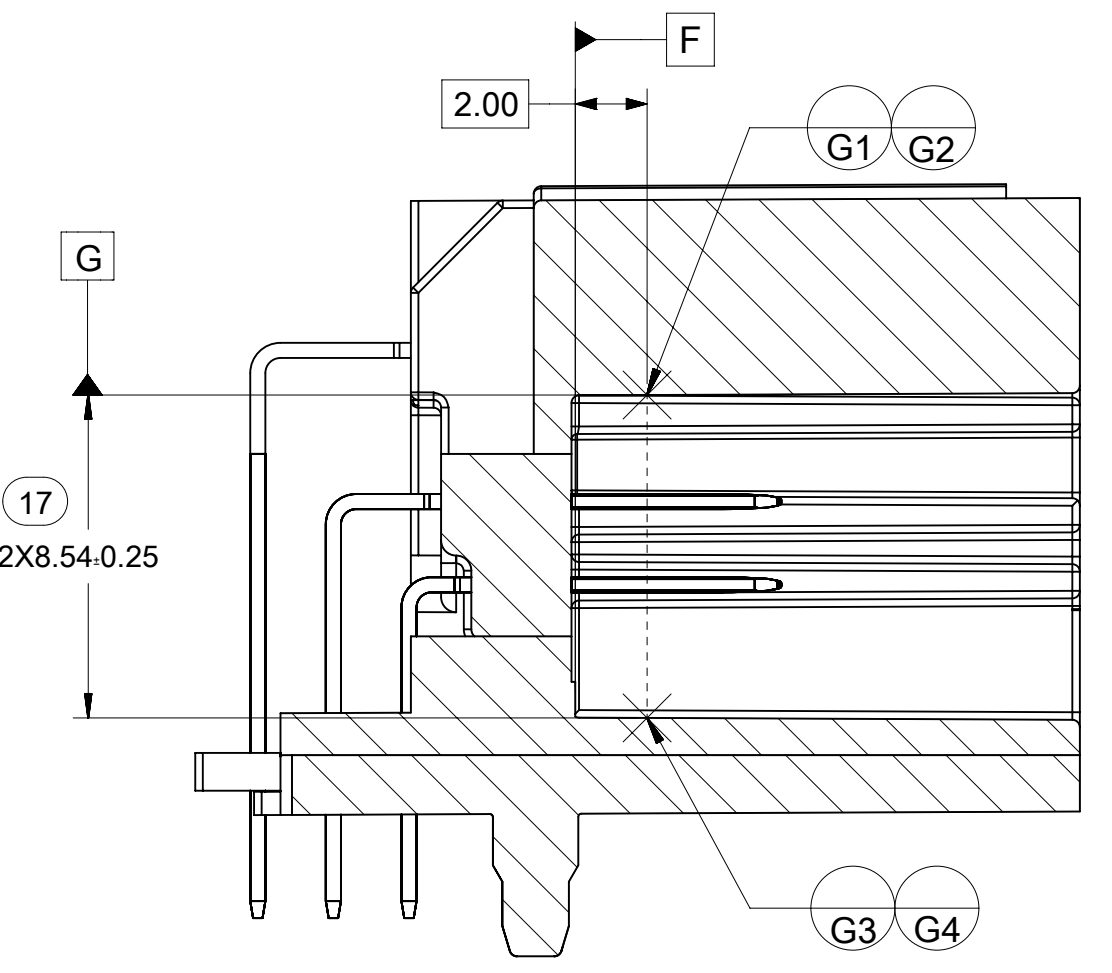


FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: mm SCALE: 5:1	CURRENT REV DESC: EC NO: 658910 DRWN: SWU31 CHK'D: CDZHANG APPR: CDZHANG INITIAL REVISION: DRWN: JFISCHER01 APPR: KDEKOSKI			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±	2020/10/22 2021/03/25 2021/03/25			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING: D-SIZE SERIES: 34961	DOCUMENT NUMBER: SD-34961-030 DOC TYPE: PSD DOC PART: 001 REVISION: J2	MATERIAL NUMBER CUSTOMER: GENERAL MARKET SHEET NUMBER: 3 OF 5

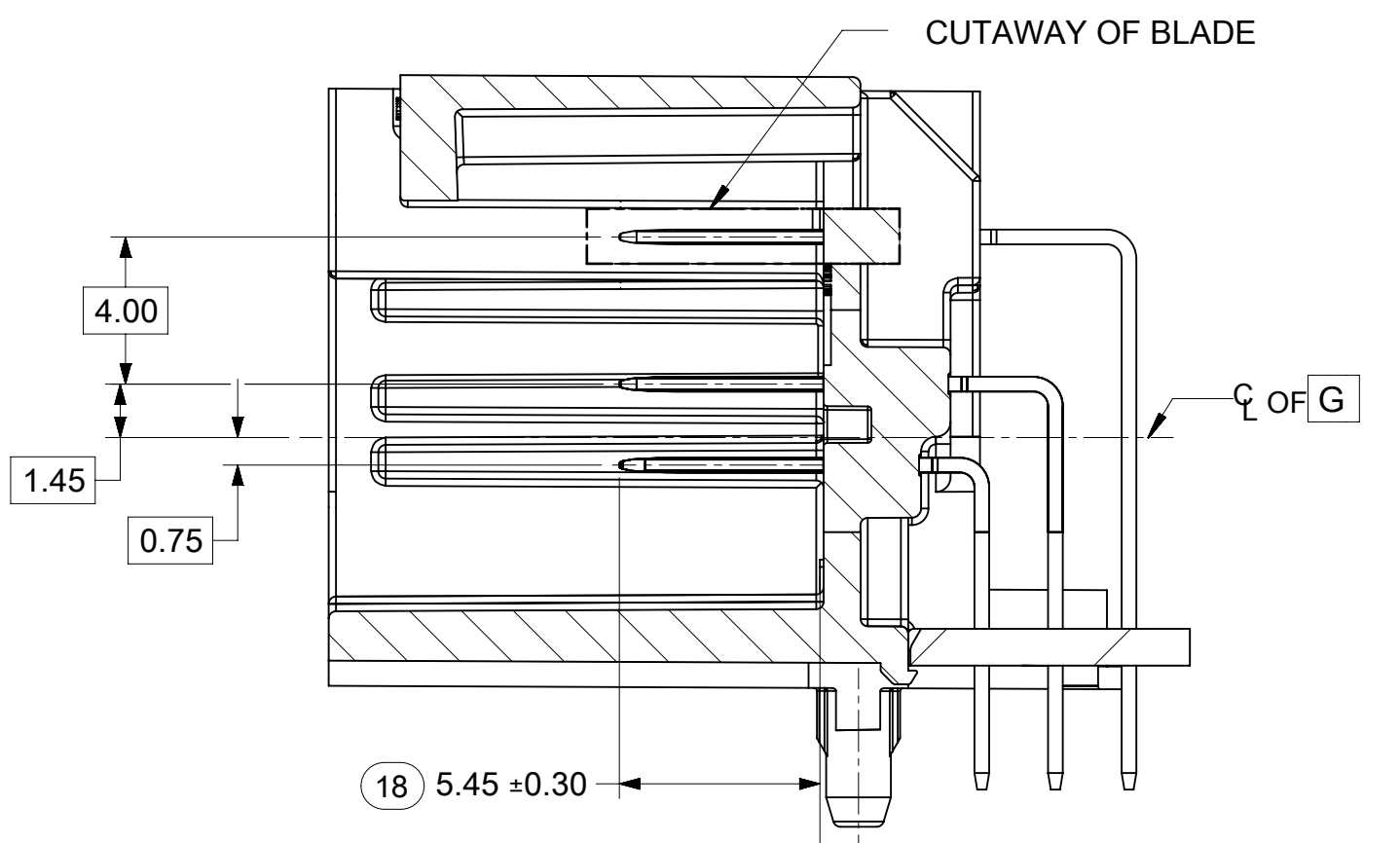
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SHEET NO.	SHEET DESCRIPTION
4	DETAIL DIMENSION VIEW



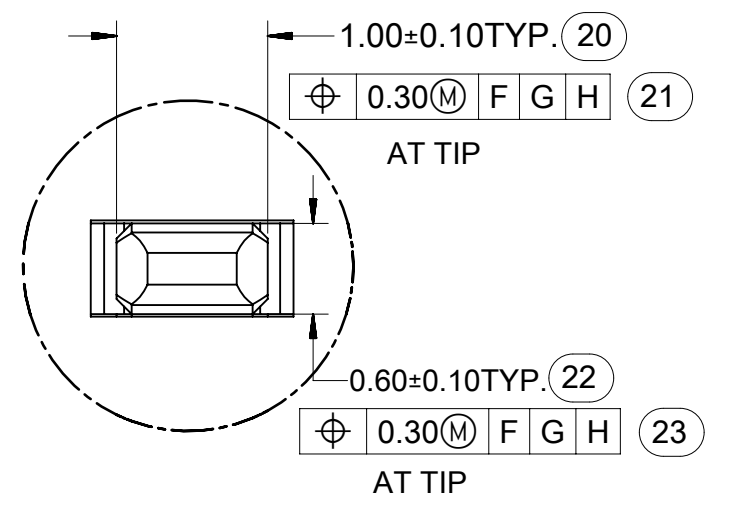
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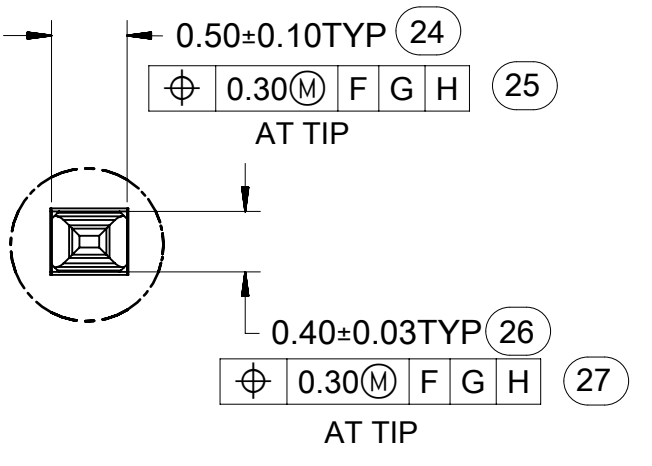
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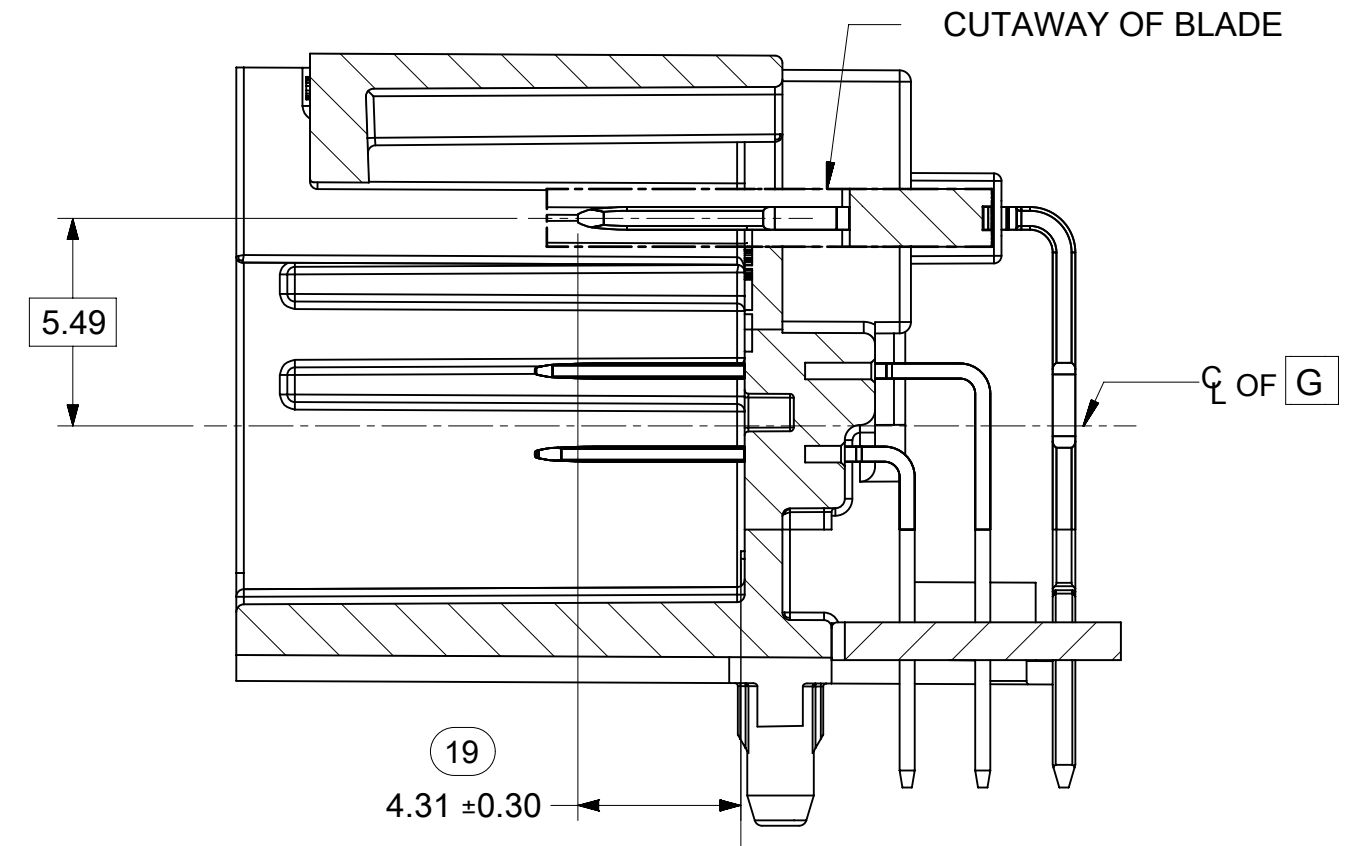
SECTION Y-Y



DETAIL 1
SCALE 20:1



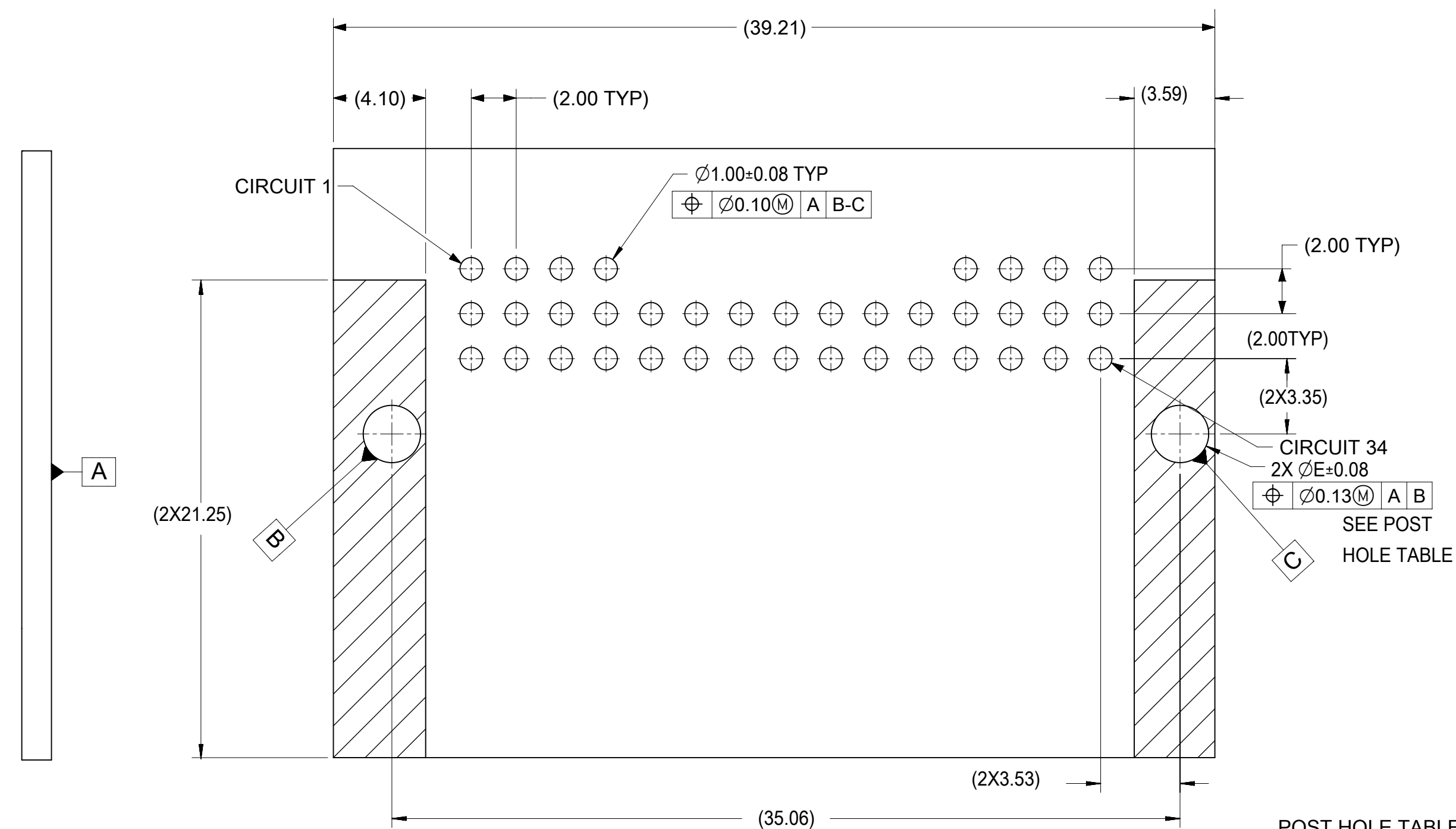
DETAIL 2
SCALE 20:1



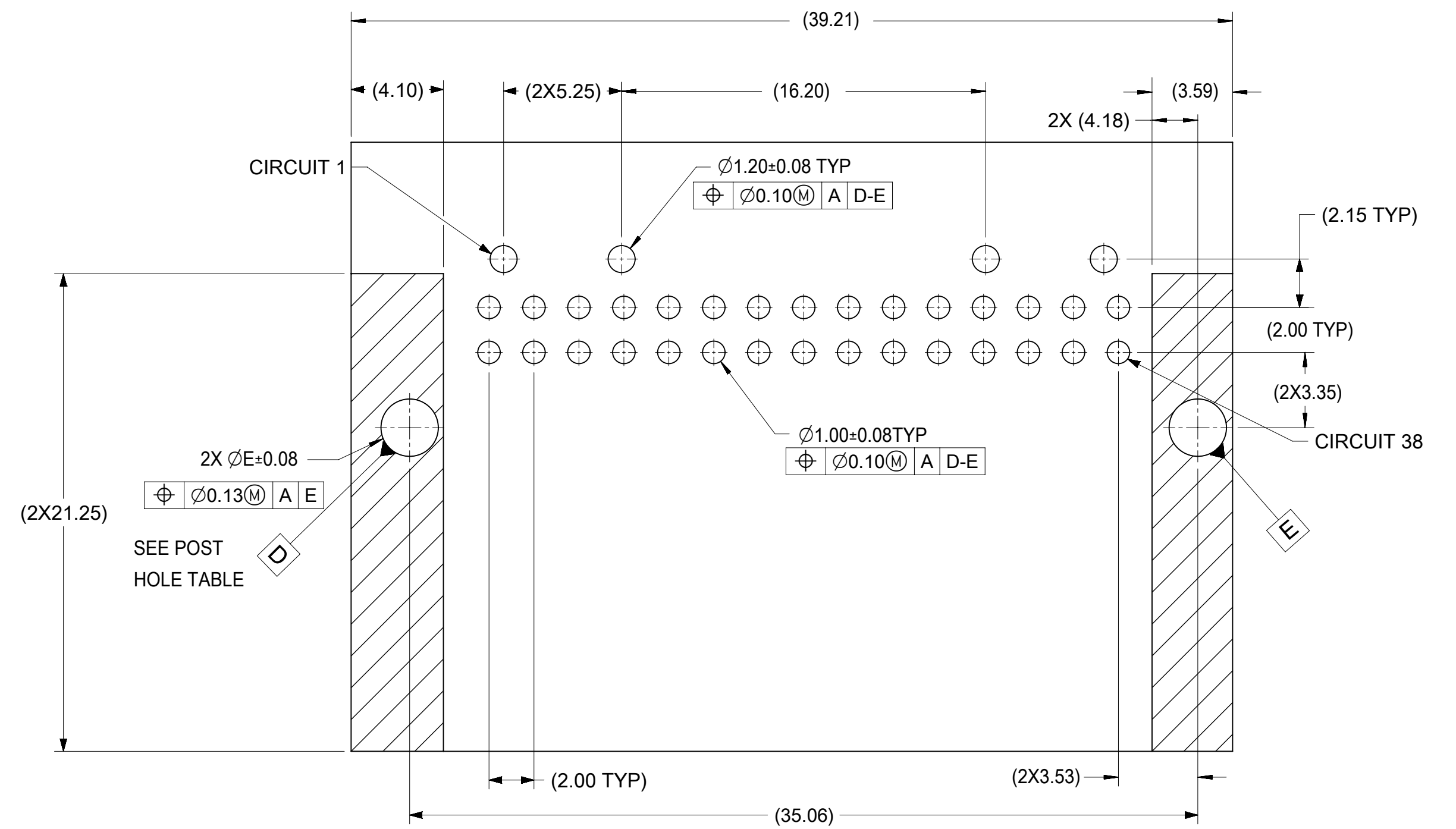
SECTION W-W

FUNCTIONAL SYMBOLS $F_A = 0$ $F_C = 0$ $F_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS mm	SCALE 5:1	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °	
	DIVISIONAL SYMBOLS 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±		EC NO: 658910 DRWN: SWU31 2020/10/22 CHK'D: CDZHANG 2021/03/25 APPR: CDZHANG 2021/03/25 INITIAL REVISION: DRWN: JFISCHER01 2012/11/21 APPR: KDEKOSKI 2012/12/21	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING D-SIZE
DOCUMENT STATUS P1 RELEASE DATE 2021/03/25 09:36:55		MOLEX 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER SD-34961-030
		MATERIAL NUMBER CUSTOMER GENERAL MARKET		DOC TYPE PSD
				DOC PART 001
				REVISION J2
				SHEET NUMBER 4 OF 5

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SHEET NO.	SHEET DESCRIPTION
5	REFERENCE PCB LAYOUT



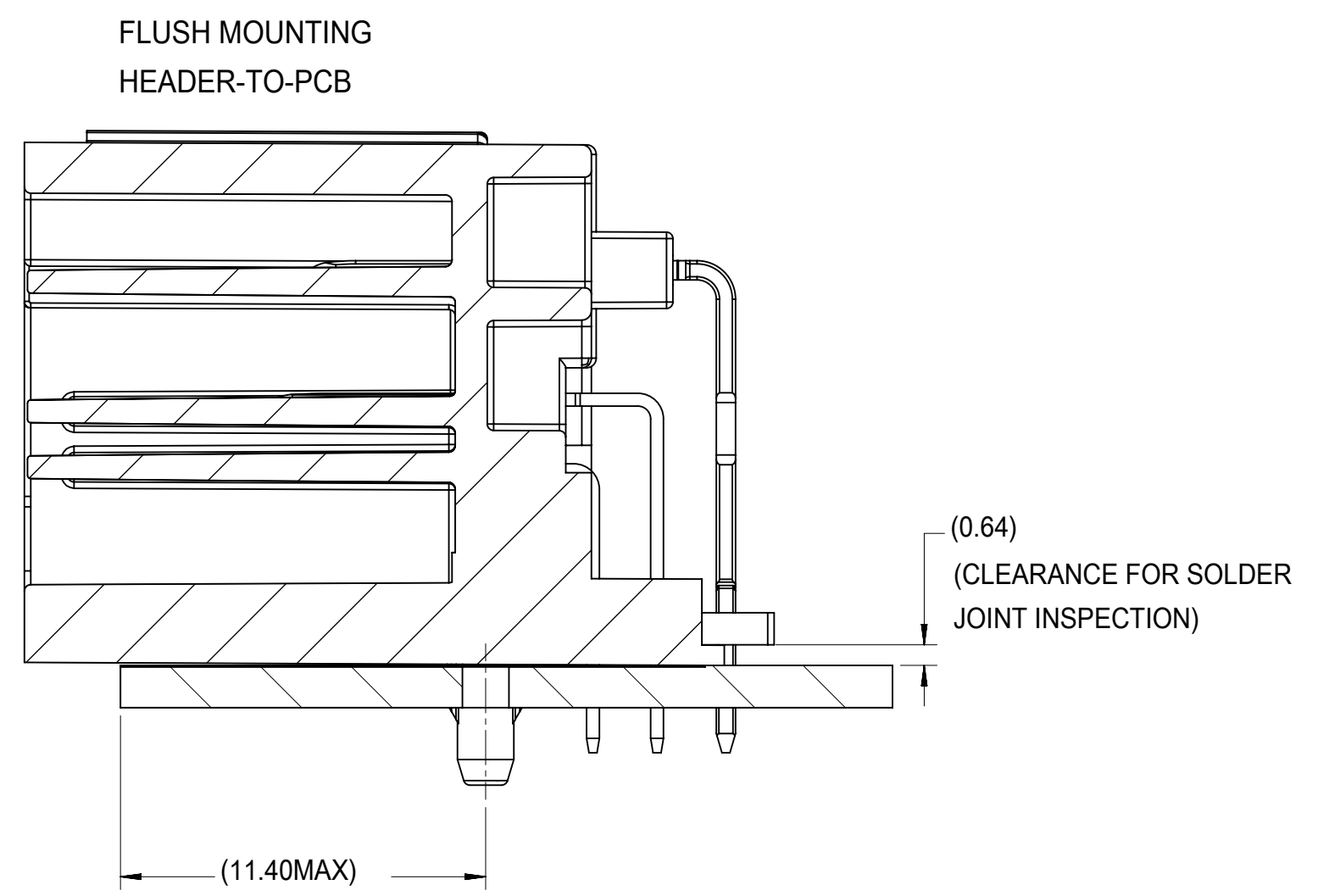
REFERENCE 38WAY PCB LAYOUT



REFERENCE 34WAY PCB LAYOUT

POST HOLE TABLE:

FOR DIM E:	
PRESS FIT:	2.15
DROP IN:	2.55



FUNCTIONAL SYMBOLS $F_A = 0$ $F_C = 0$ $F_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 5:1	CURRENT REV DESC:		
	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 658910 DRWN: SWU31 2020/10/22	34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING		
	ANGULAR TOL \pm °	CHK'D: CDZHANG 2021/03/25	PRODUCT CUSTOMER DRAWING		
	4 PLACES \pm	APPR: CDZHANG 2021/03/25	DOCUMENT NUMBER: SD-34961-030 DOC TYPE: PSD DOC PART: 001 REVISION: J2		
DIVISIONAL SYMBOLS 3 PLACES \pm 2 PLACES \pm 1 PLACE \pm 0 PLACES \pm	INITIAL REVISION: DRWN: JFISCHER01 2012/11/21 APPR: KDEKOSKI 2012/12/21	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: D-SIZE SERIES: 34961	MATERIAL NUMBER: _____ CUSTOMER: GENERAL MARKET SHEET NUMBER: 5 OF 5