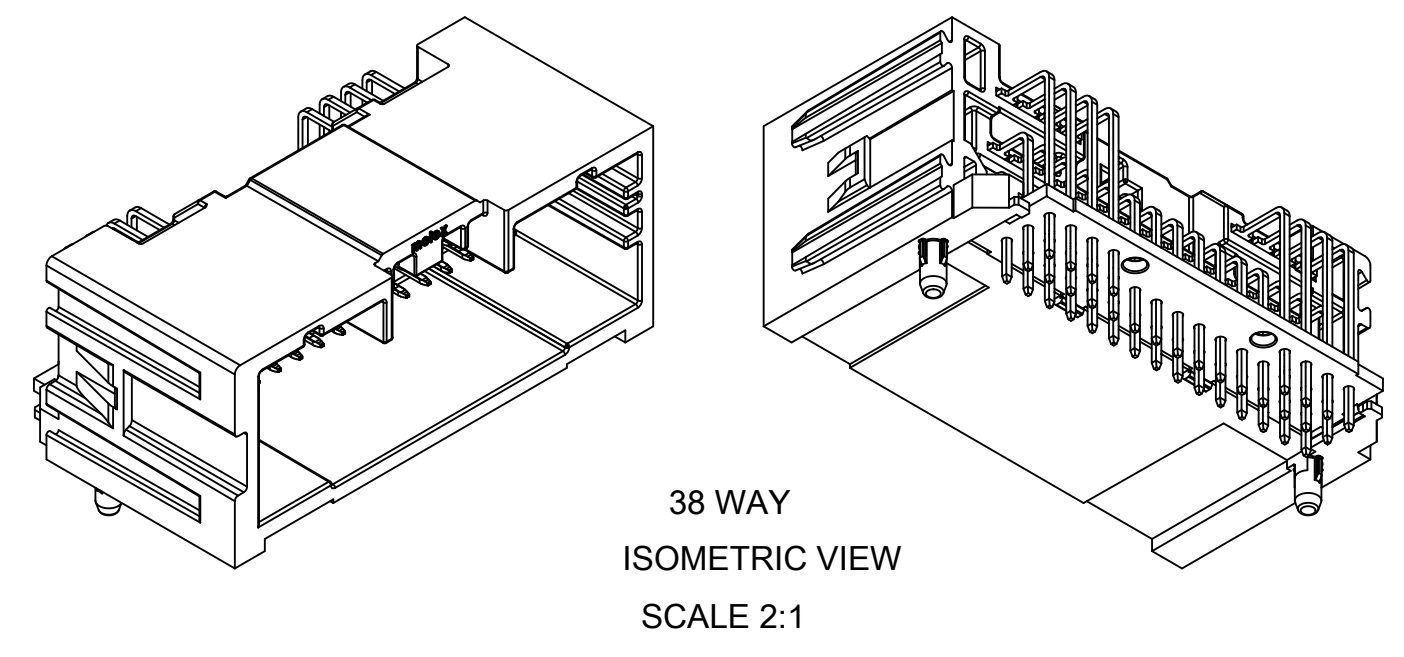
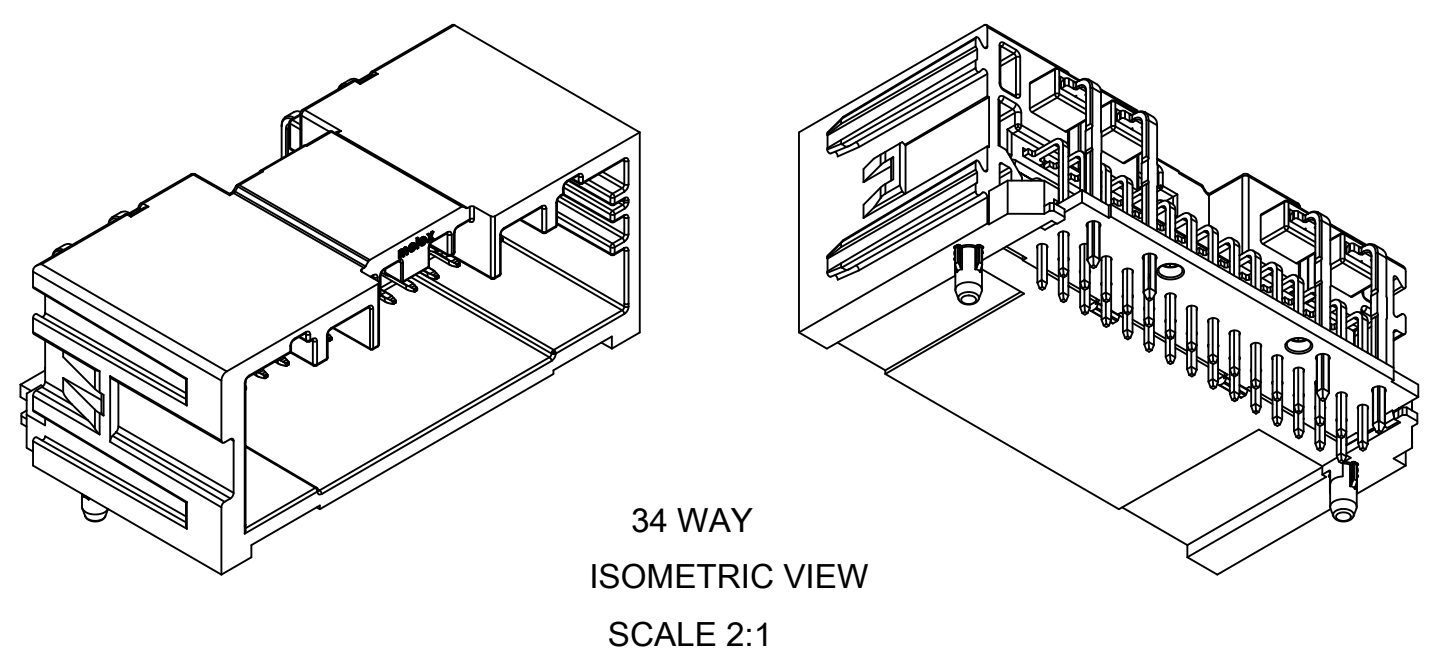


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1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW
2	34&38WAY POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW
3	DETAIL DIMENSION VIEW
4	DETAIL DIMENSION VIEW
5	REFERENCE PCB LAYOUT



MINI50 34/38 CKT 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	OBSOLETE
34961-0381	34961-7381	34961-8381	38	HB	B	GREY	OBSOLETE
34961-0382	34961-7382	34961-8382	38	HB	C	DK GREY	OBSOLETE
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
2133550341	2133557341	2133558341	34	V0	B	GREY	OK TO TOOL
2133550342	2133557342	2133558342	34	V0	C	DK GREY	OK TO TOOL
2133550380	2133557380	2133558380	38	V0	UPDATED A	BLACK	OK TO TOOL
2133550381	2133557381	2133558381	38	V0	UPDATED B	GREY	OK TO TOOL
2133550382	2133557382	2133558382	38	V0	UPDATED C	DK GREY	OK TO TOOL

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER UP TO	0 1	1 3	3 6	6 10	10 15	15 22	22 30	30 40	40 53	53 70	70 90	90 120	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:	J1
LAST BALLOON NUMBER USED:	27
ADDED BALLOON NUMBERS:	
REMOVED BALLOON NUMBERS:	

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- J1 a. 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

- J1 b. APPLICATION REQUIREMENTS (REFERENCE ONLY) FOR:
SEE APPLICATION SPECIFICATION: AS-34959-001
SEE HB PRODUCT SPECIFICATION: PS-34959-001
SEE V0 PRODUCT SPECIFICATION: 2133550000-PS
MATES WITH: SD-34959-030

- c. PACKAGING SPECIFICATION PER MOLEX DRAWING(PK-XXXXXX-XXXX), AS MINI50 34/38 CKT RIGHT ANGLE HEADER ASSEMBLY LIST SHOWS.

2. DESIGN: MATERIALS:

- a. SHROUD (PLASTIC HOUSING):
HB RESIN - SPS 30%GF
V0 RESIN - SPS 30%GF
- b. PIN ALIGNMENT PLATE:
HB RESIN - SPS 30%GF
V0 RESIN - SPS 30%GF

- c. 0.50MM BLADES:
BASE MATERIAL: C26800
PLATING TYPE: AS NOTED

- d. 1.20MM BLADES:
BASE MATERIAL: C26800
PLATING TYPE: AS NOTED

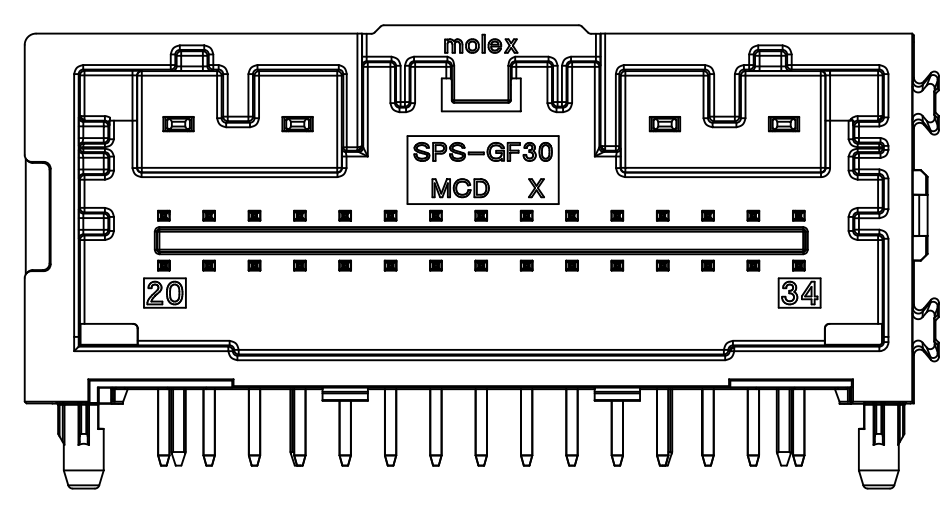
3. PLATING REQUIREMENTS:

- a. UNDERPLATING - OVERALL NICKEL
- b. OVERPLATING - OVERALL TIN

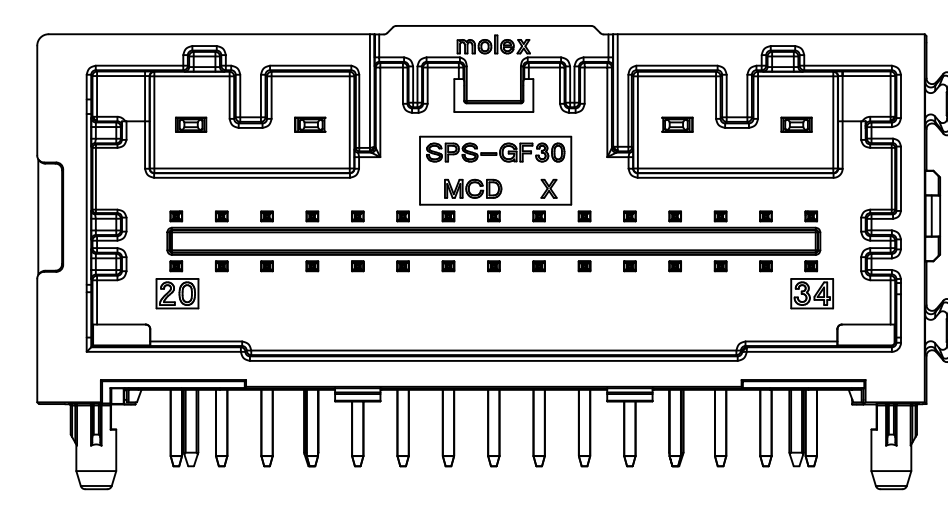
REV	REV DESCRIPTION	ECN SAP NO.
J1	1. UPDATED BELOW PART NUMBER STATUS TO OBSOLETE: 34961-0380, 34961-7380, 34961-8380 34961-0381, 34961-7381, 34961-8381 34961-0382, 34961-7382, 34961-8382 2. UPDATED BELOW V0 PART NUMBER STATUS TO SALEABLE: 2133550340, 2133557340, 2133558340 3. ADDED V0 VALIDATION SPECIFICATION AND 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&38WAY POLARIZATION OPTION AND 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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NUMBER		
	DIMENSION UNITS	SCALE			
▽ = 0	mm	3:1			34 & 38 CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL	± °			PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES	±			
▽ = 0	3 PLACES	±			EC NO: 631858 DRWN: SWU31 2020/02/10 CHK'D: CDZHANG 2020/02/26 APPR: CDZHANG 2020/02/26
▽ = 0	2 PLACES	±			
▽ = 0	1 PLACE	±			INITIAL REVISION: DRWN: JFISCHER01 2012/11/21 APPR: KDEKOSKI 2012/12/21
▽ = 0	0 PLACES	±			
⊠ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
▽ = 0				D-SIZE	34961
DOCUMENT STATUS			P1	RELEASE DATE	2020/02/26 01:42:37
MATERIAL NUMBER			CUSTOMER		SHEET NUMBER
SD-34961-030			GENERAL MARKET		1 OF 5

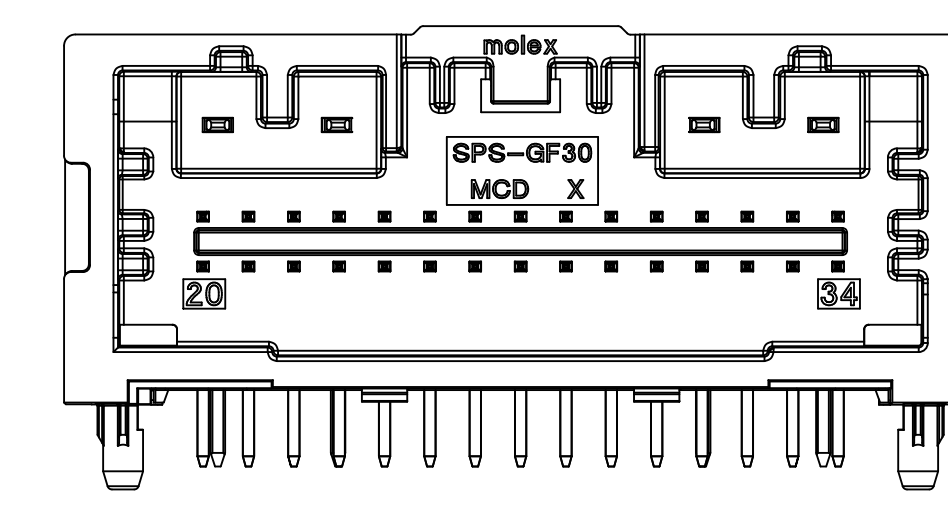
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SHEET NO.	SHEET DESCRIPTION
2	34&38WAY POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW



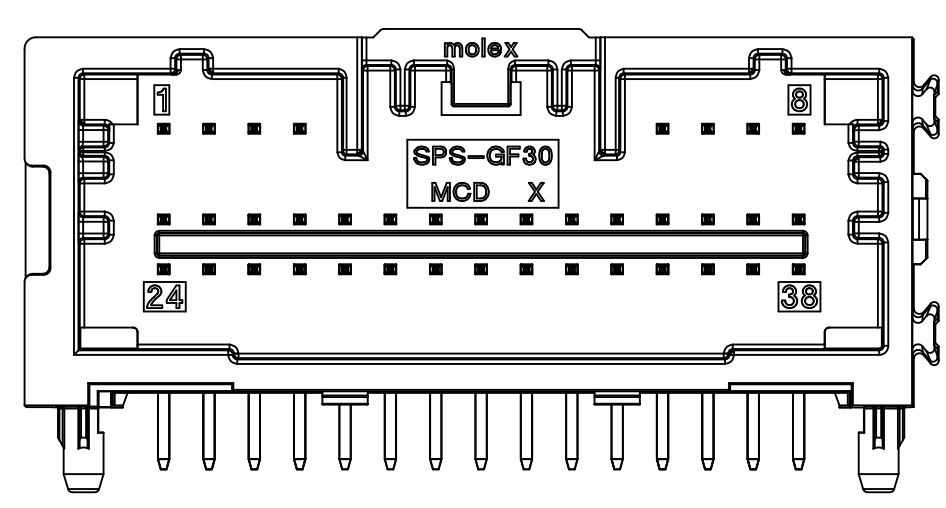
34WAY POLARIZATION OPTION 'A'



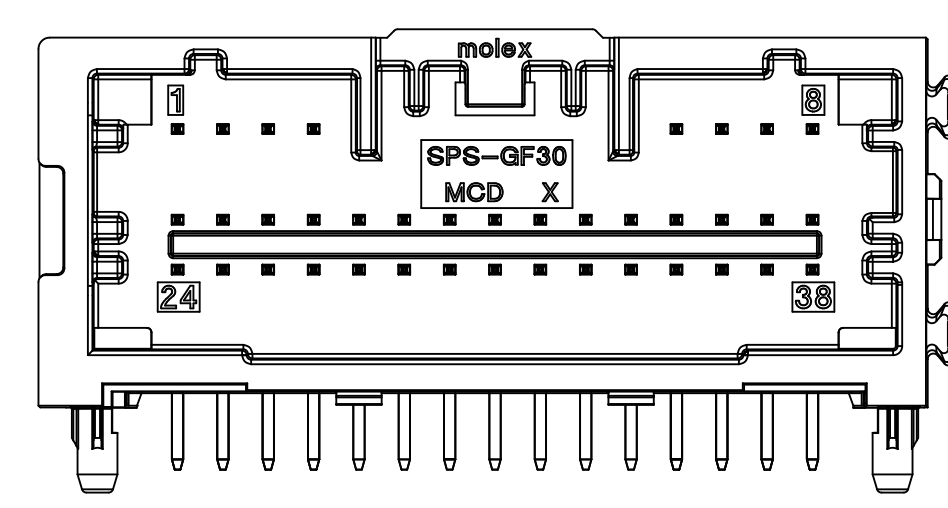
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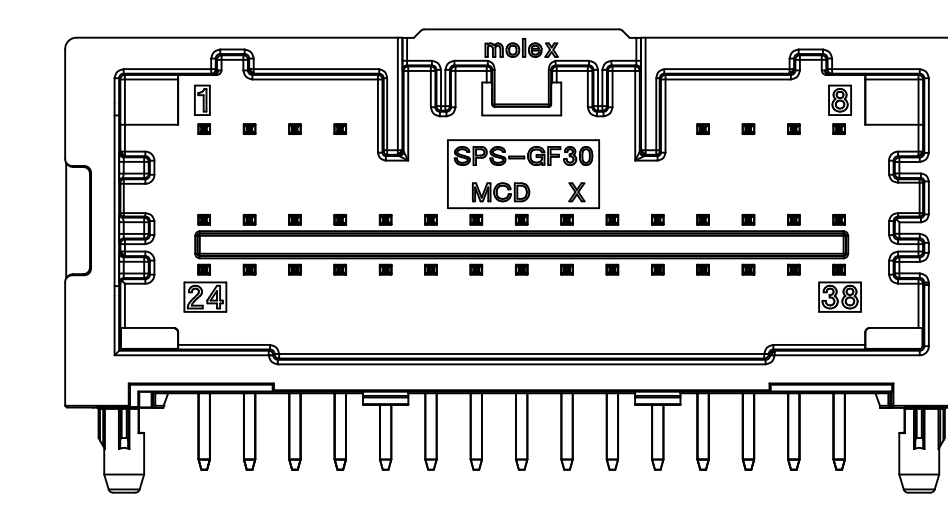
34WAY POLARIZATION OPTION 'C'



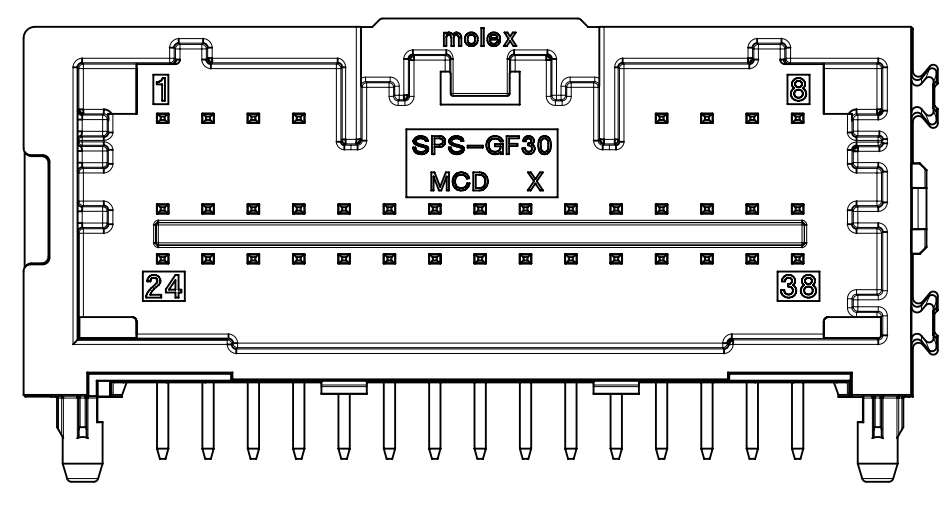
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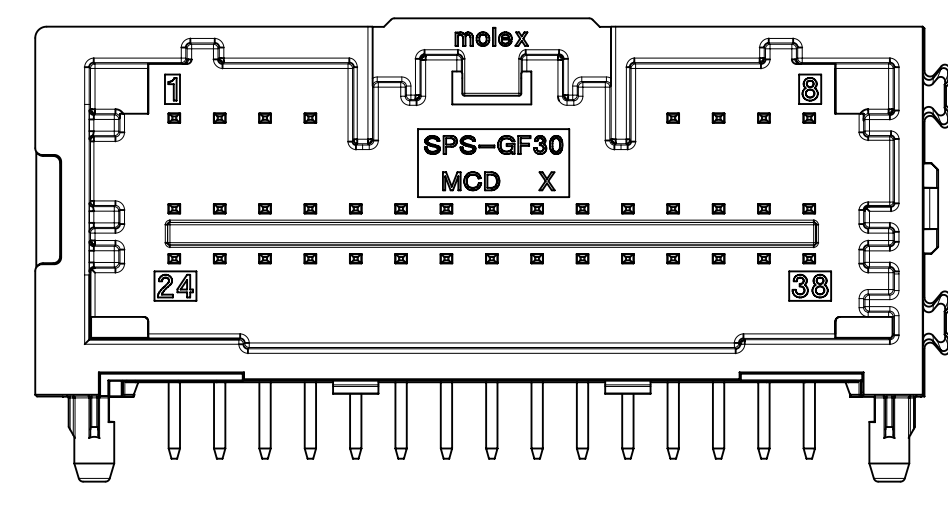
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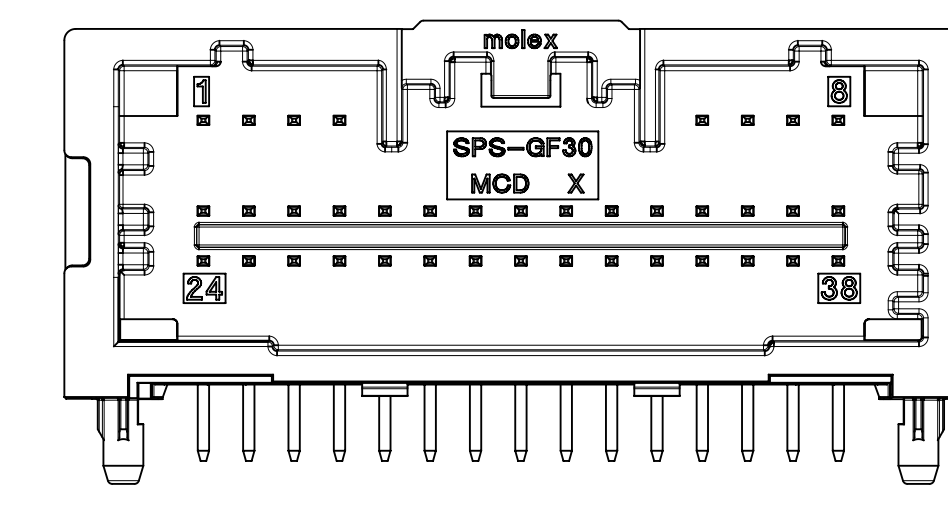
38WAY POLARIZATION OPTION 'C'



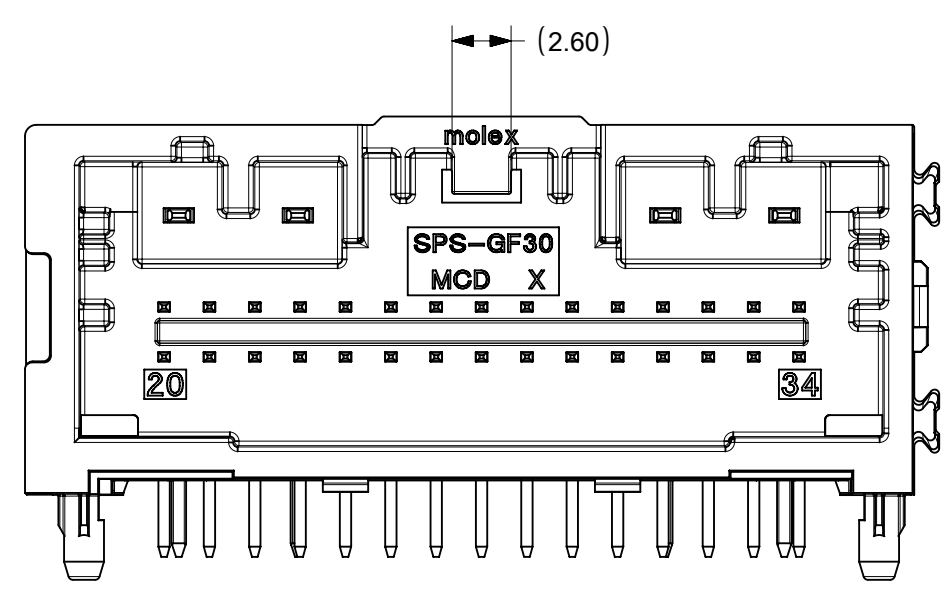
38WAY POLARIZATION OPTION UPDATED 'A'



38WAY POLARIZATION OPTION UPDATED 'B'

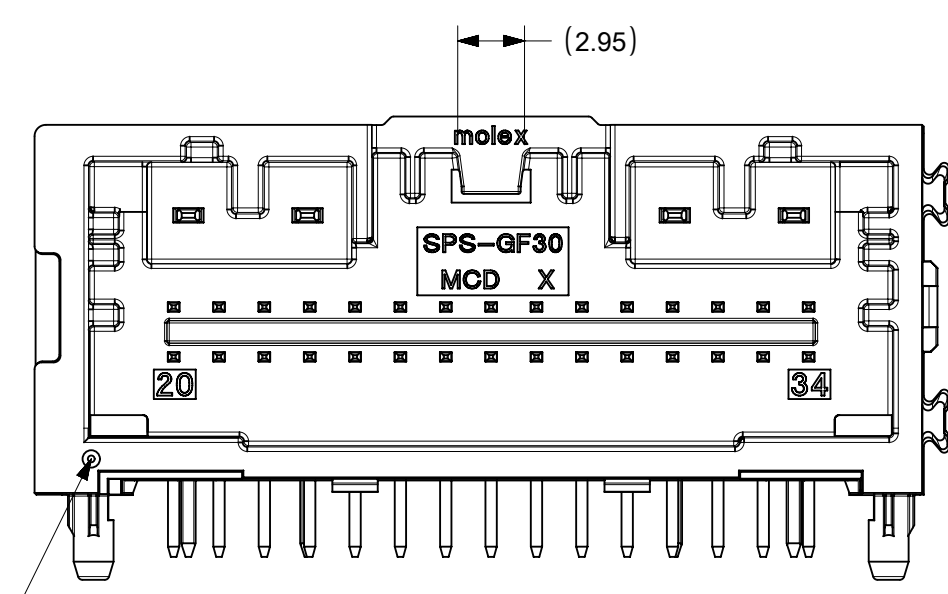


38WAY POLARIZATION OPTION UPDATED 'C'



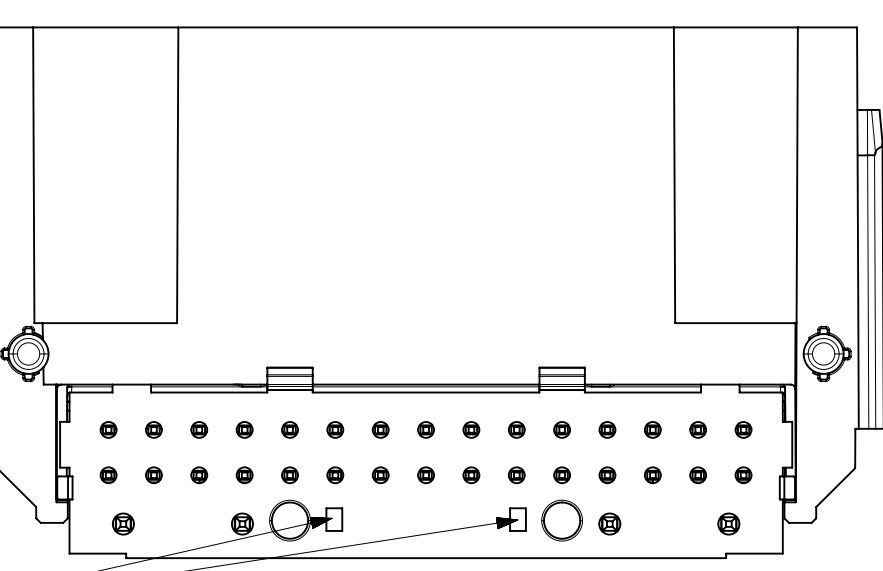
HB P/Ns: 34961XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

HB / V0 VERSION DIFFERENTIATING



DEPRESSION FEATURE ADDED TO V0 PART TO DISTINGUISH FROM HB PART

HOLE FEATURE ADDED TO V0 PART TO DISTINGUISH FROM HB PART

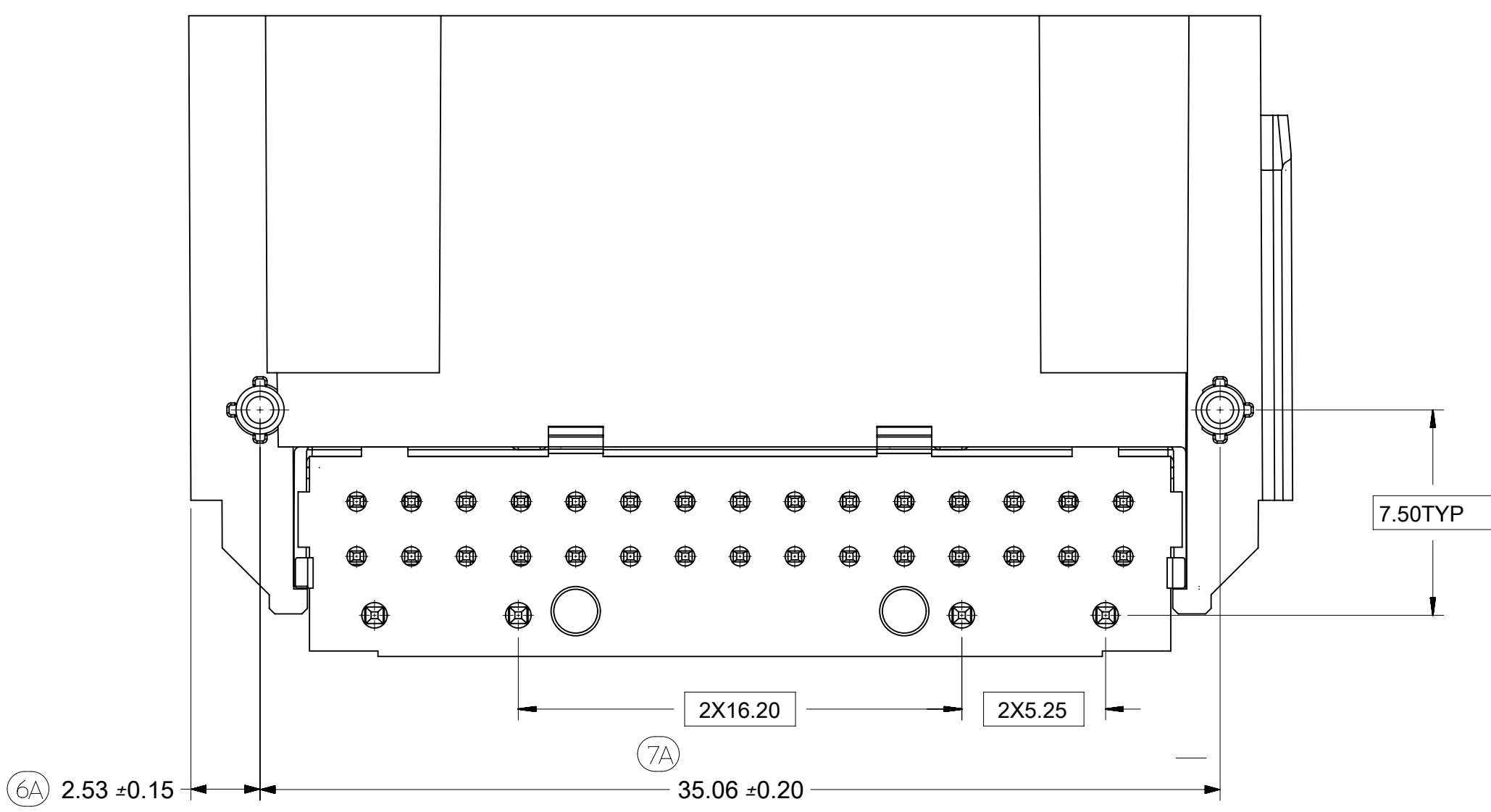
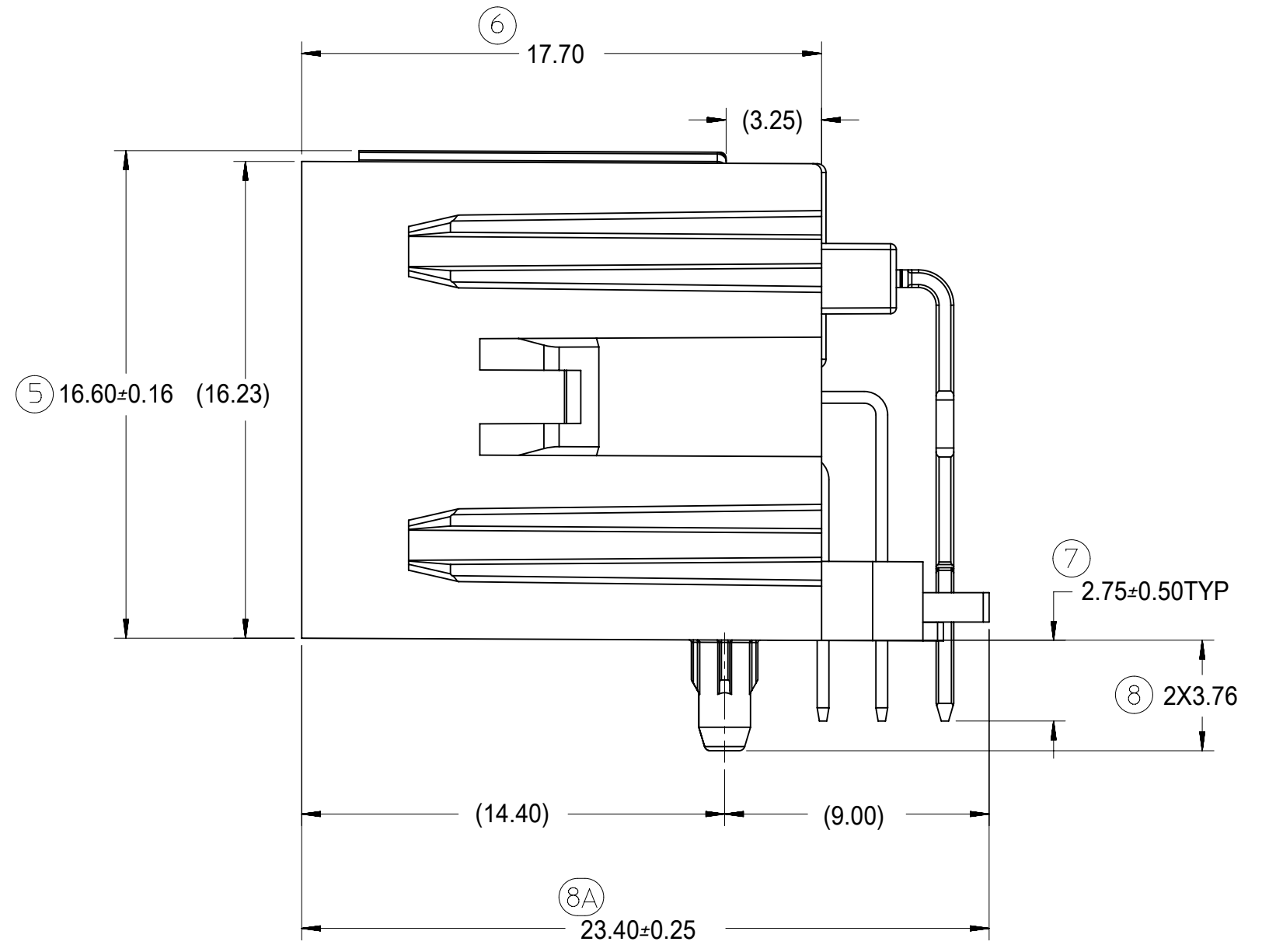
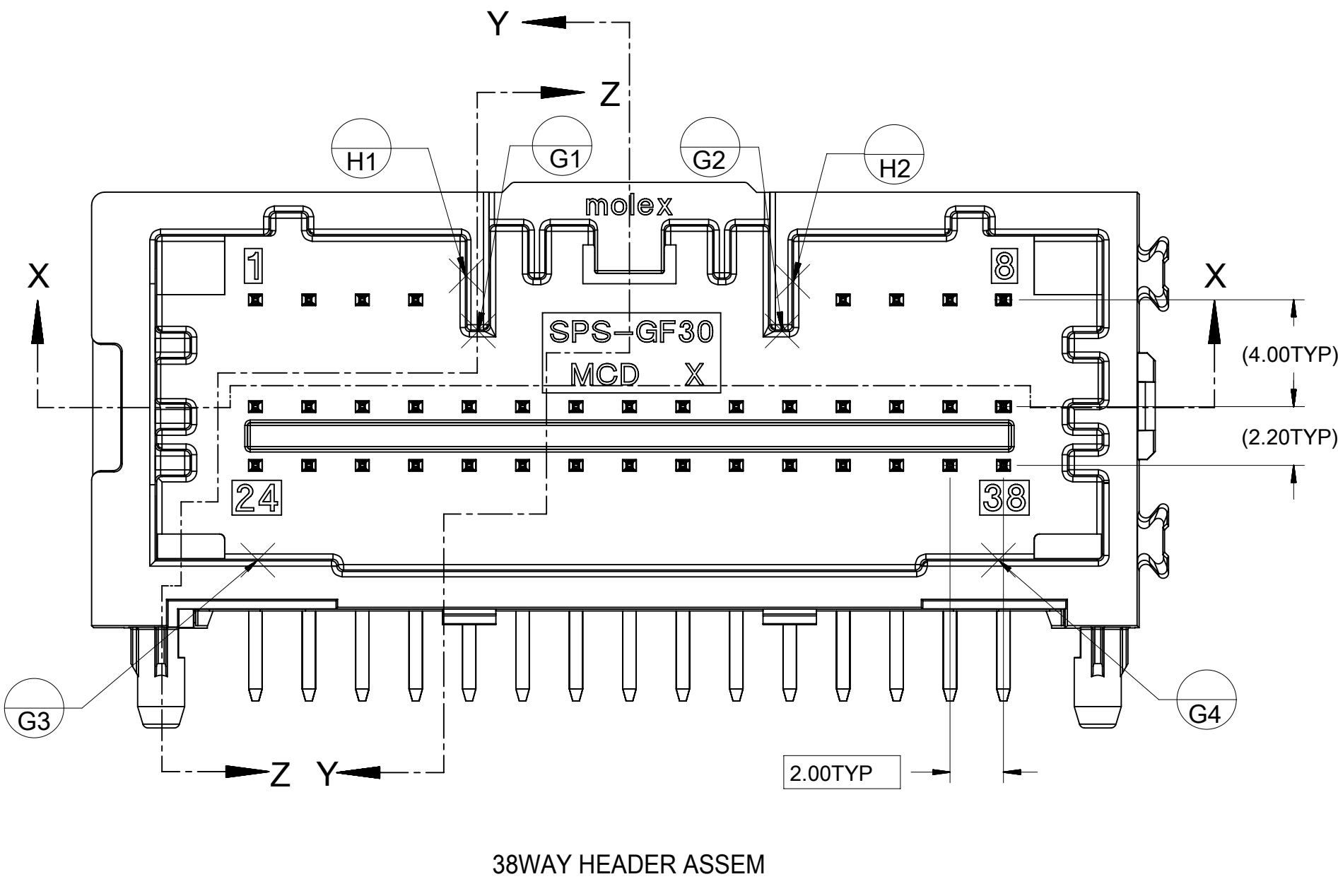
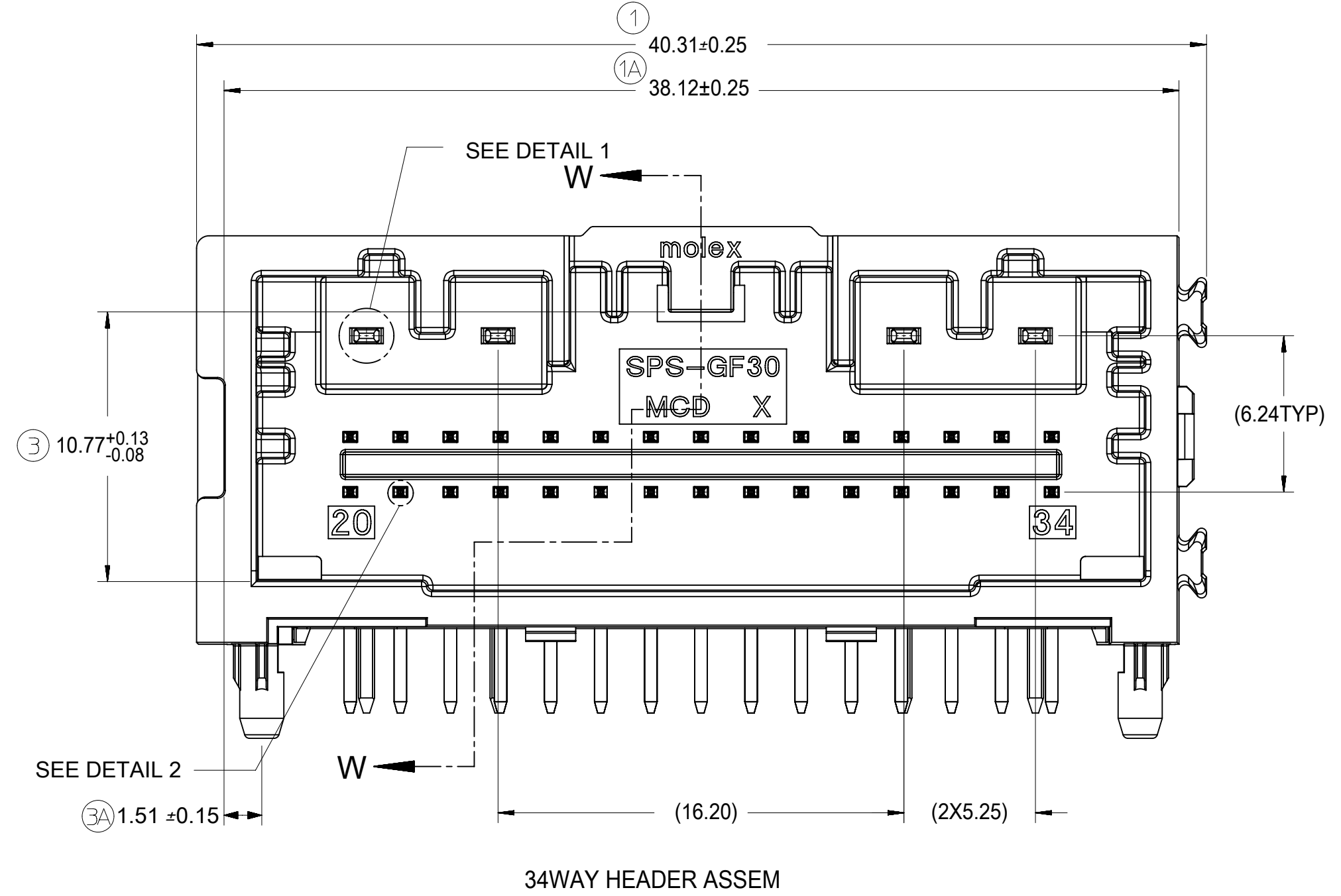


V0 P/Ns: 213355XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NUMBER		
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▽ = 0	ANGULAR TOL ± °		EC NO: 631858		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-34961-030 DOC TYPE: PSD DOC PART: 001 REVISION: J1
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▽ = 0	2 PLACES ±		APPR: CDZHANG 2020/02/26		
▽ = 0	1 PLACE ±		INITIAL REVISION:		
▽ = 0	0 PLACES ±		DRWN: JFISCHER01 2012/11/21		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: KDEKOSKI 2012/12/21		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		D-SIZE	34961		GENERAL MARKET
					SHEET NUMBER: 2 OF 5

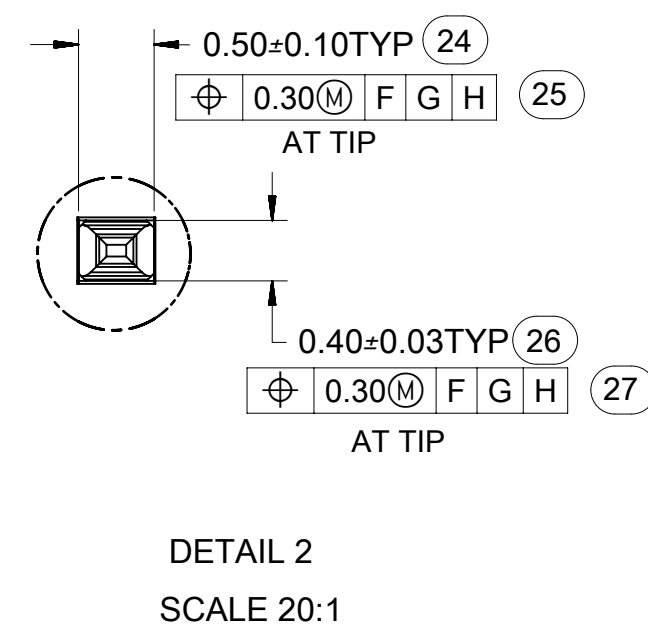
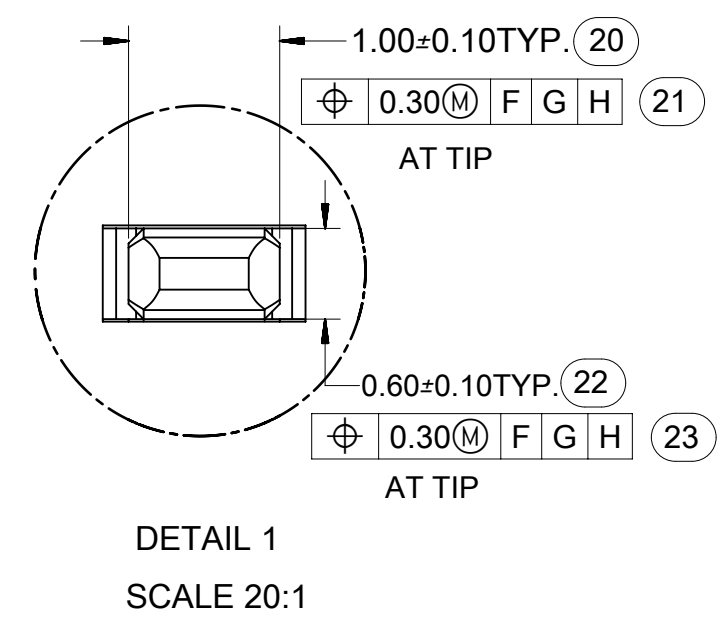
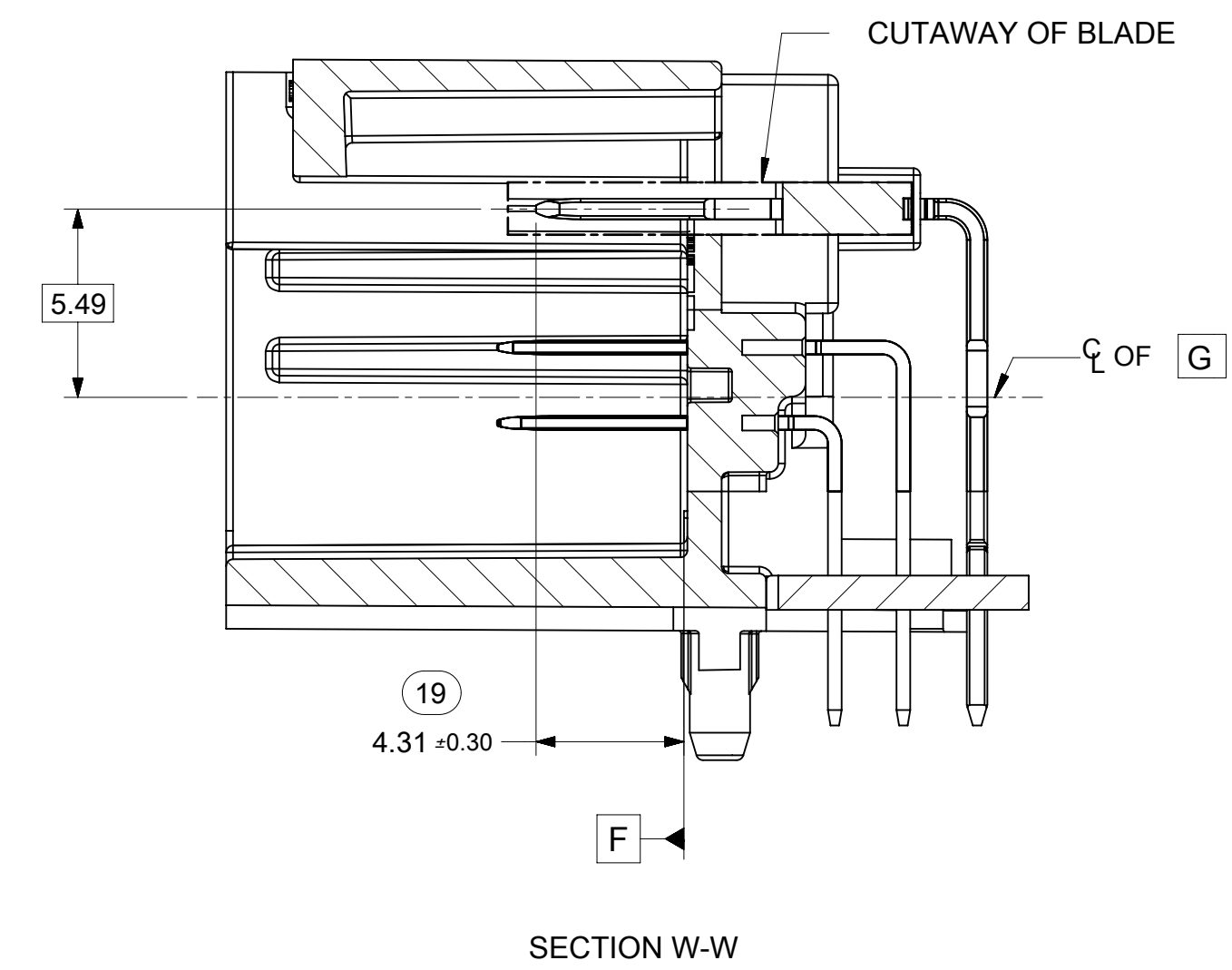
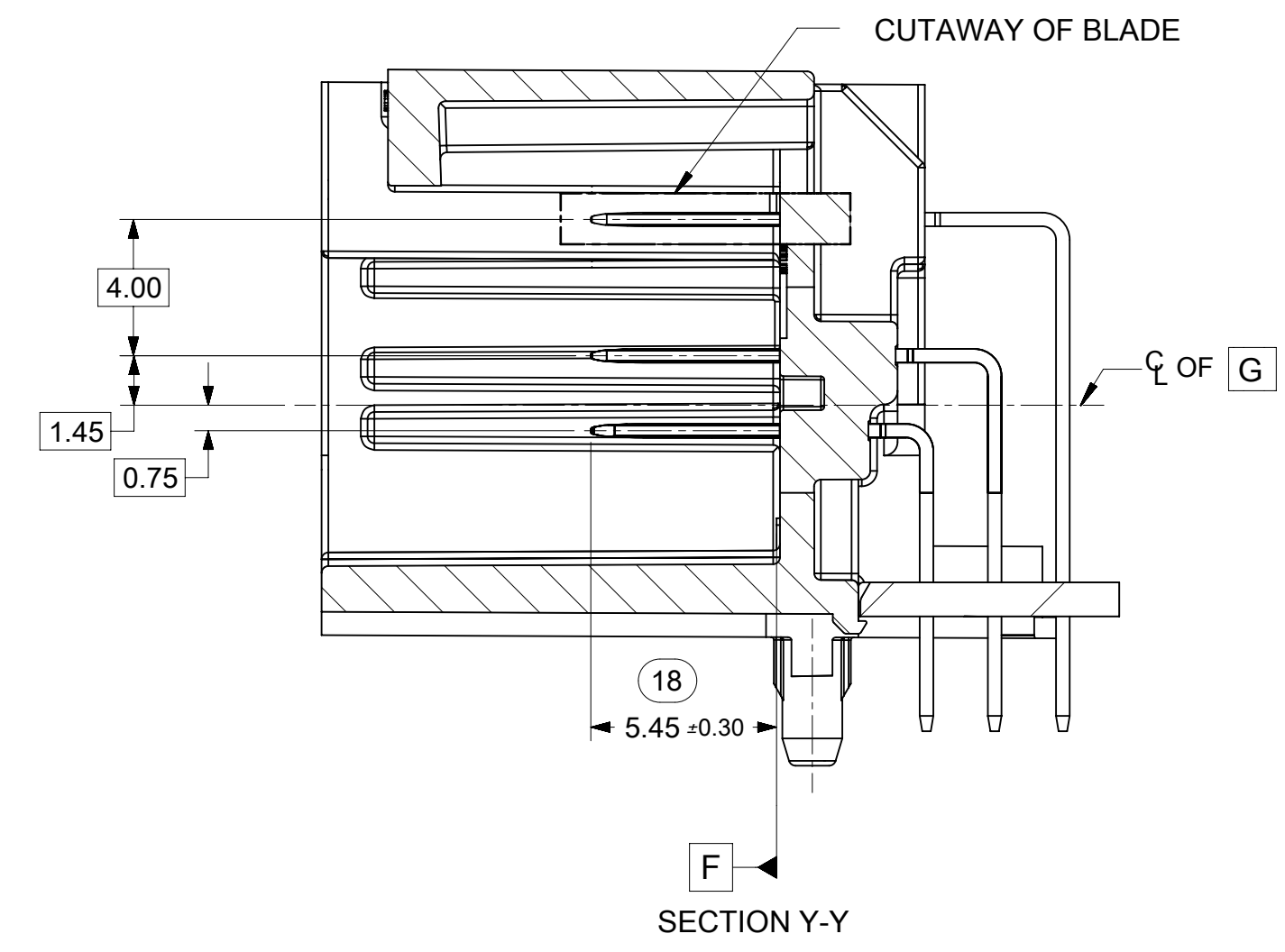
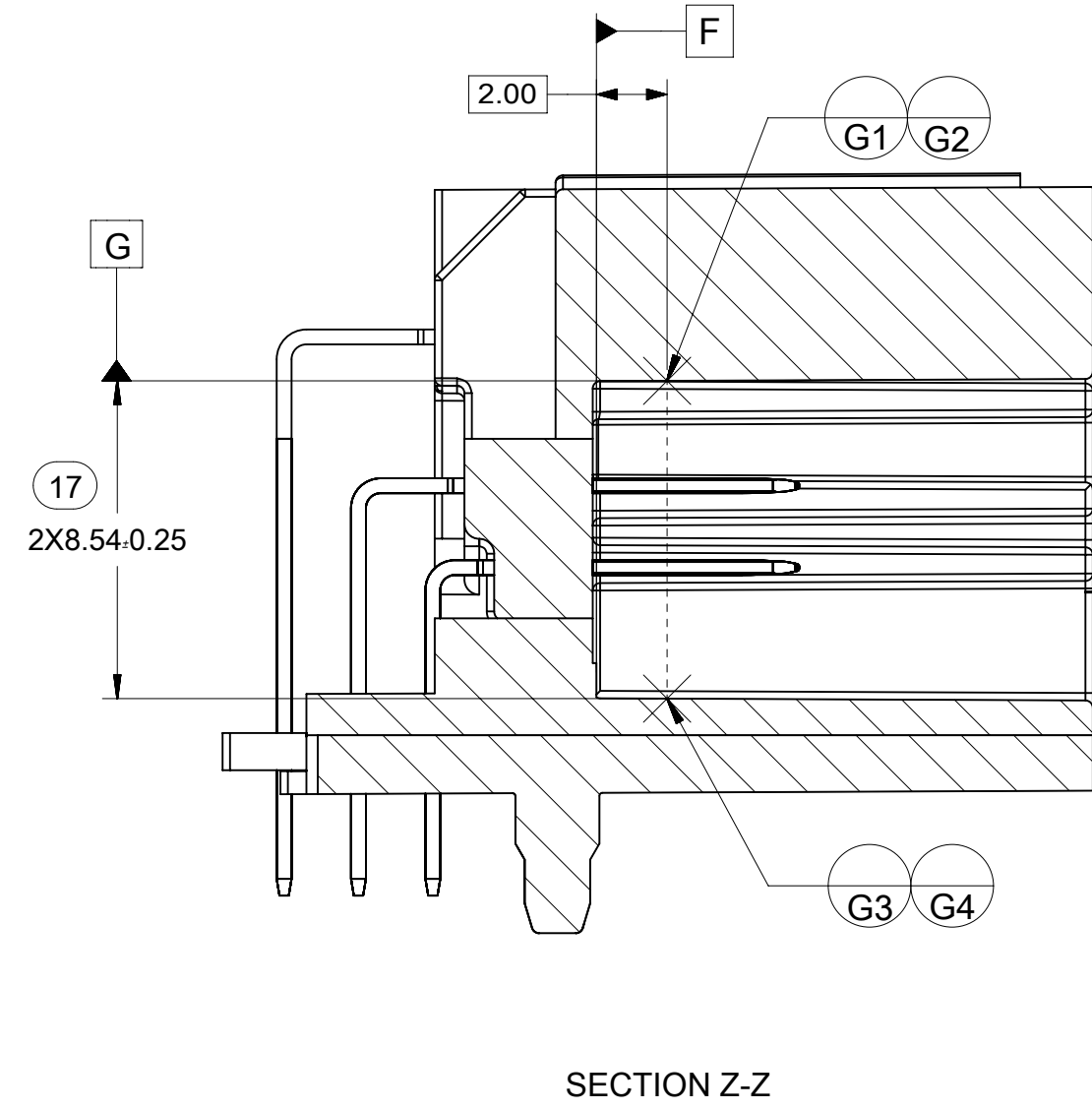
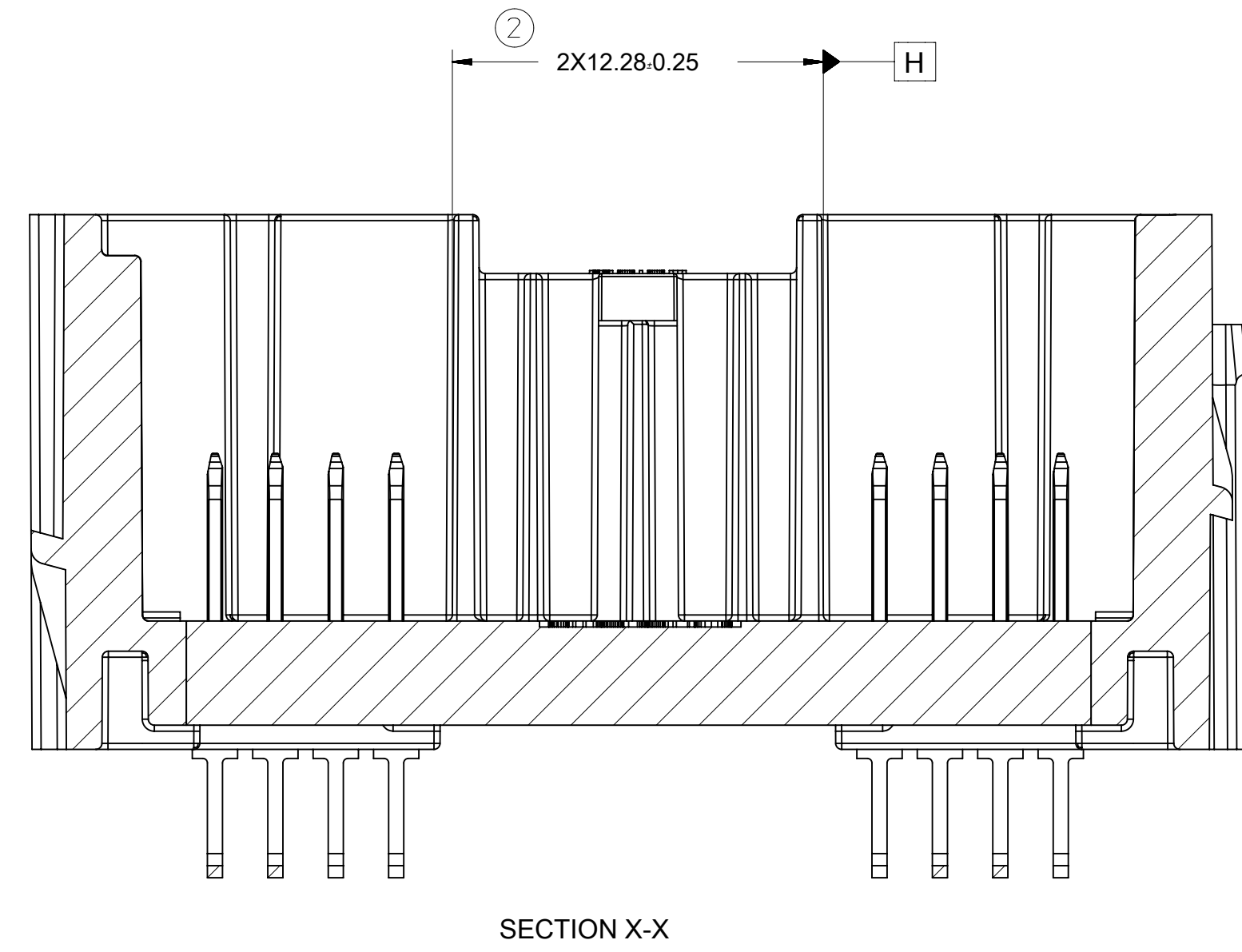
DOCUMENT STATUS	P1	RELEASE DATE	2020/02/26	01:42:37
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SHEET NO.	SHEET DESCRIPTION
3	DETAIL DIMENSION VIEW



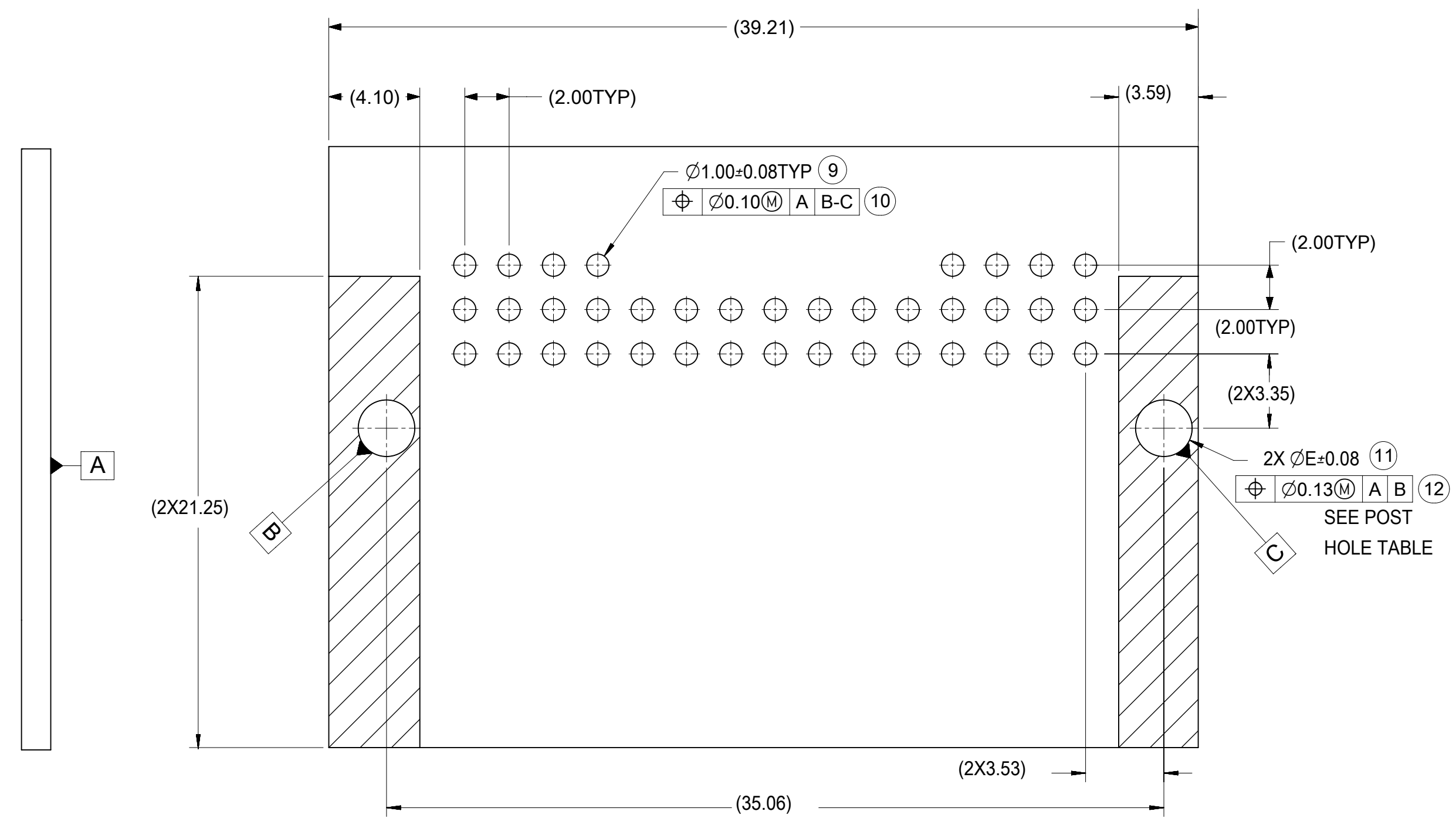
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▽ = 0	4 PLACES ±		CHK'D: CDZHANG 2020/02/26		PRODUCT CUSTOMER DRAWING
▽ = 0	3 PLACES ±		APPR: CDZHANG 2020/02/26		
▽ = 0	2 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER
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▽ = 0	0 PLACES ±		APPR: KDEKOSKI 2012/12/21		SD-34961-030
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	
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			SERIES	34961	REVISION
			MATERIAL NUMBER	GENERAL MARKET	J1
			CUSTOMER	GENERAL MARKET	3 OF 5

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
4	DETAIL DIMENSION VIEW

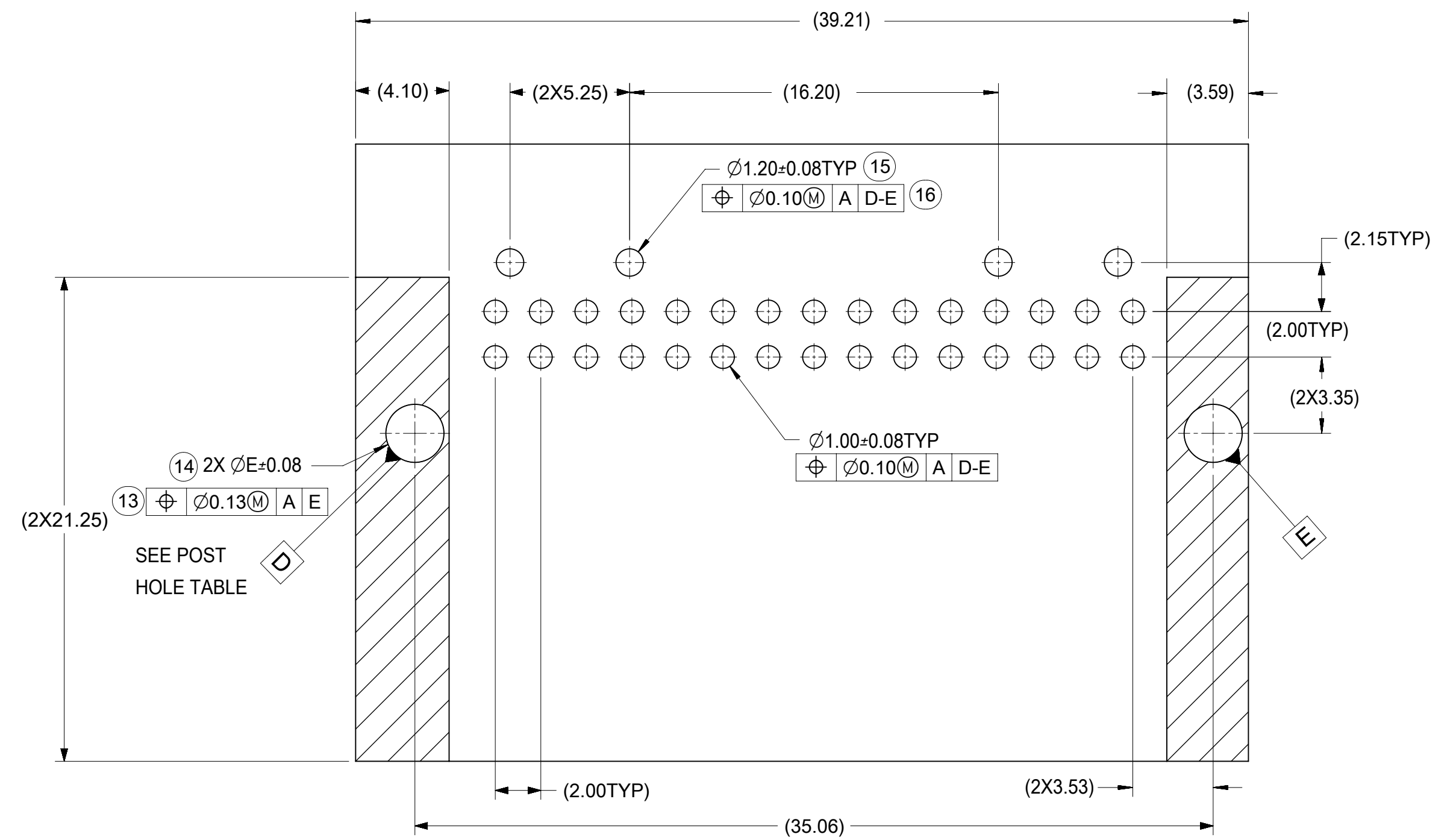


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	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 631858 DRWN: SWU31 2020/02/10 CHK'D: CDZHANG 2020/02/26 APPR: CDZHANG 2020/02/26		34 & 38 CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING			
	ANGULAR TOL ± °		INITIAL REVISION: DRWN: JFISCHER01 2012/11/21 APPR: KDEKOSKI 2012/12/21		PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER: SD-34961-030 DOC TYPE: PSD DOC PART: 001 REVISION: J1	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: D-SIZE SERIES: 34961		MATERIAL NUMBER: GENERAL MARKET CUSTOMER: GENERAL MARKET SHEET NUMBER: 4 OF 5	

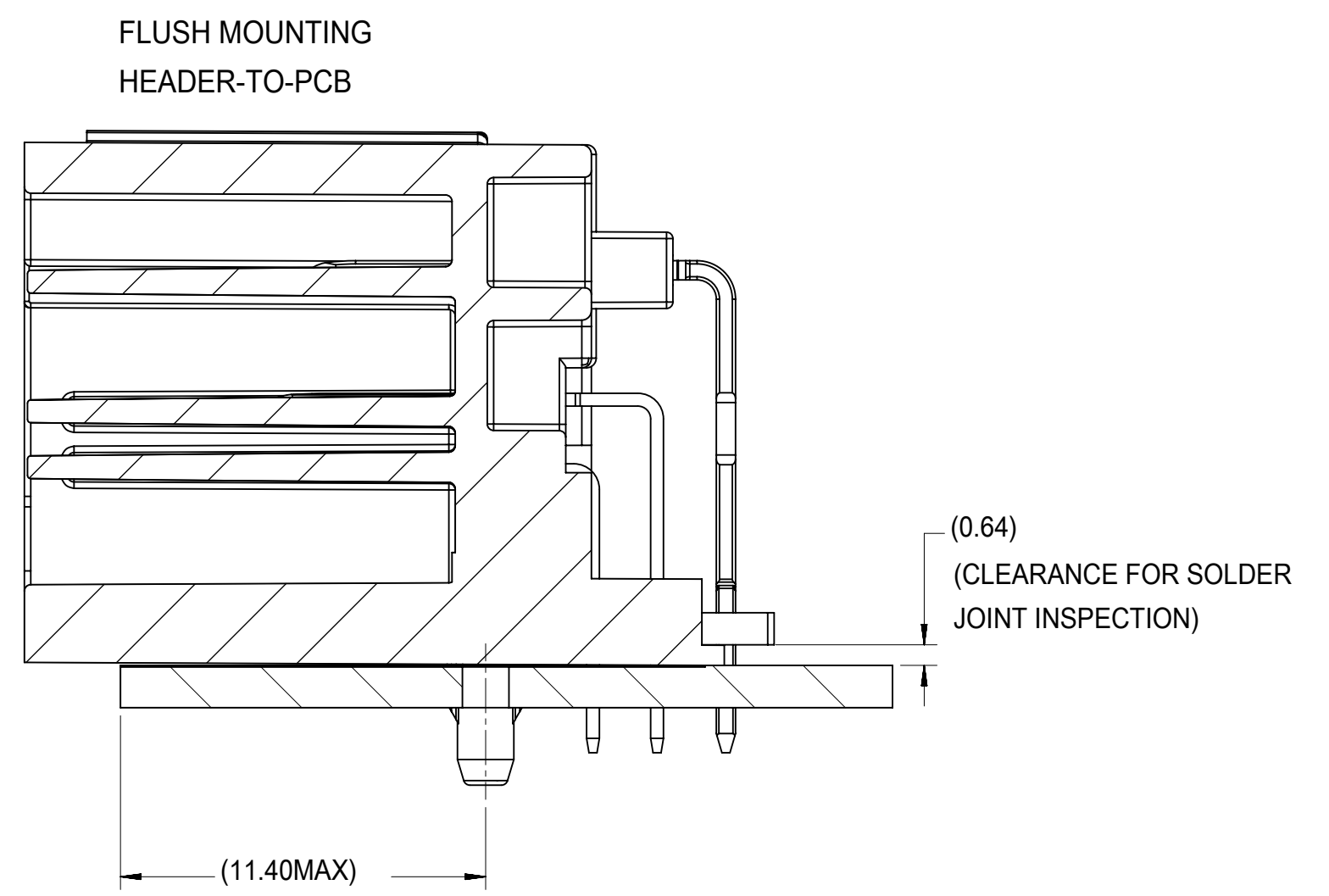
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
5	REFERENCE PCB LAYOUT



REFERENCE 38WAY PCB LAYOUT



REFERENCE 34WAY PCB LAYOUT



POST HOLE TABLE:

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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NUMBER		molex				
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▽ = 0	ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING				
▽ = 0	4 PLACES ±				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
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