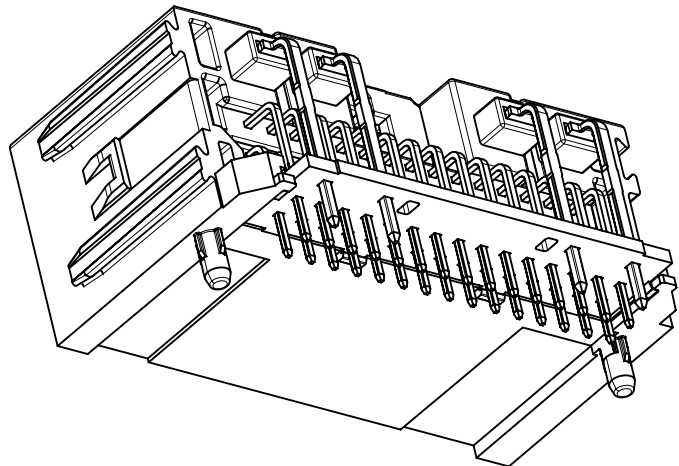
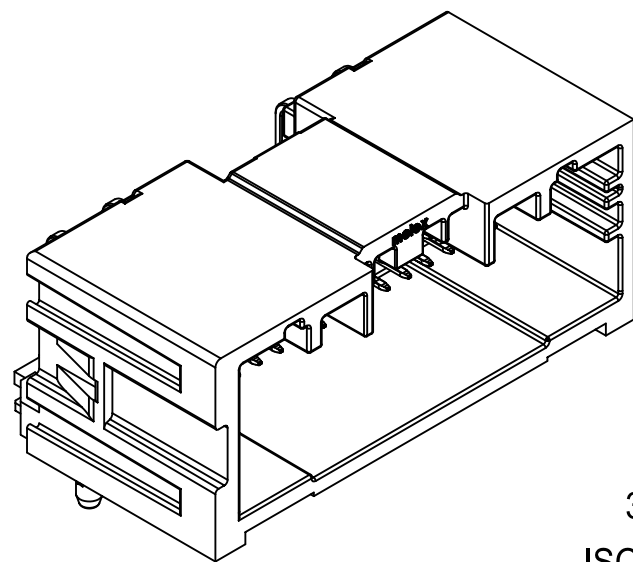
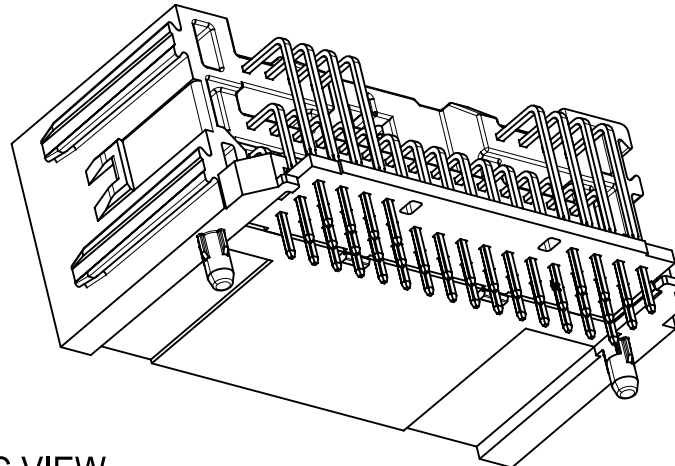
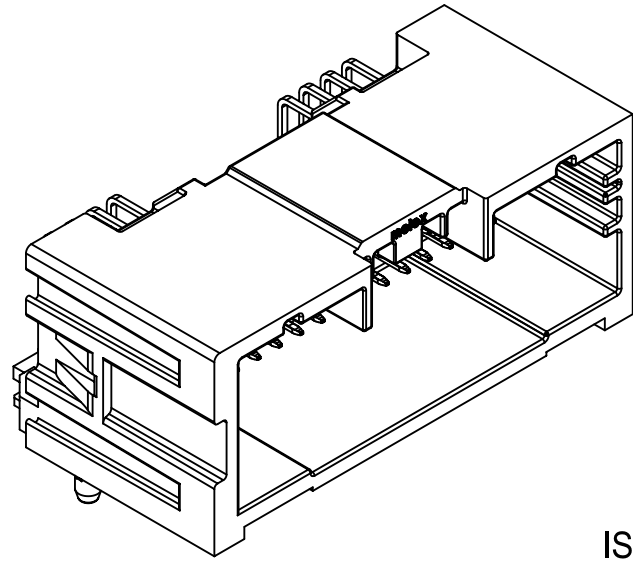


20	19	18	17
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1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW		
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW		
3	PIN INSERTION DIRECTION VIEW PAP HOLE SHAPE VIEW		
4	DETAIL DIMENSION VIEW		
5	DETAIL DIMENSION VIEW		
6	REFERENCE PCB LAYOUT		



34CKT
ISOMETRIC VIEW
SCALE 2:1



38CKT
ISOMETRIC VIEW
SCALE 2:1

MINI50 34/38CKT RIGHT ANGLE HEADER ASSEMBLY LIST

MATERIAL NUMBER			CKT SIZE	PIN INSERTION DIRCTION	PAP HOLE SHAPE	FLAMMABILITY UL94	POLARIZATION	COLOR	STATUS
TRAY PACKAGING PK-31302-070	TUBE PACKAGING PK-31301-688	TAPE AND REEL PK-47799-0001							
34961-0340	---	---	34	PCB TO MATING	ROUND	HB	A	BLACK	OBSOLETE
34961-0380	---	34961-8380	38	PCB TO MATING	ROUND	HB	A	BLACK	OBSOLETE
34961-0381	---	34961-8381	38	PCB TO MATING	ROUND	HB	B	GREY	OBSOLETE
34961-0382	---	34961-8382	38	PCB TO MATING	ROUND	HB	C	DK GREY	OBSOLETE
34961-0343	34961-7343	34961-8343	34	MATING TO PCB	SQUARE	HB	A	BLACK	SALEABLE
34961-0344	34961-7344	34961-8344	34	MATING TO PCB	SQUARE	HB	B	GREY	SALEABLE
34961-0345	34961-7345	34961-8345	34	MATING TO PCB	SQUARE	HB	C	DK GREY	SALEABLE
34961-0386	34961-7386	34961-8386	38	MATING TO PCB	SQUARE	HB	UPDATED A	BLACK	SALEABLE
34961-0387	34961-7387	34961-8387	38	MATING TO PCB	SQUARE	HB	UPDATED B	GREY	SALEABLE
34961-0388	34961-7388	34961-8388	38	MATING TO PCB	SQUARE	HB	UPDATED C	DK GREY	SALEABLE
---	2133557340	2133558340	34	PCB TO MATING	ROUND	V0	A	BLACK	OBSOLETE
---	2133557341	2133558341	34	PCB TO MATING	ROUND	V0	B	GREY	OBSOLETE
2133550342	2133557342	2133558342	34	PCB TO MATING	ROUND	V0	C	DK GREY	OBSOLETE
---	2133557380	---	38	PCB TO MATING	ROUND	V0	UPDATED A	BLACK	OBSOLETE
2133550381	---	---	38	PCB TO MATING	ROUND	V0	UPDATED B	GREY	OBSOLETE
2133550343	2133557343	2133558343	34	MATING TO PCB	SQUARE	V0	A	BLACK	SALEABLE
2133550344	2133557344	2133558344	34	MATING TO PCB	SQUARE	V0	B	GREY	SALEABLE
2133550345	2133557345	2133558345	34	MATING TO PCB	SQUARE	V0	C	DK GREY	SALEABLE
2133550383	2133557383	2133558383	38	MATING TO PCB	SQUARE	V0	UPDATED A	BLACK	SALEABLE
2133550384	2133557384	2133558384	38	MATING TO PCB	SQUARE	V0	UPDATED B	GREY	SALEABLE
2133550385	2133557385	2133558385	38	MATING TO PCB	SQUARE	V0	UPDATED C	DK GREY	SALEABLE

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: K3
LAST BALLOON NUMBER USED: 37
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS: 34A & 34B

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	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
ENGINEERING	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)															

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

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

SOLDERABILITY: SMES-152

b. APPLICATION SPECIFICATION: AS-34959-001

TEST SUMMARY:

HB: TS-34961-001

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.

2. DESIGN: MATERIALS:

a. SHROUD (PLASTIC HOUSING):

HB RESIN - SPS

V0 RESIN - SPS

b. PIN ALIGNMENT PLATE:

HB RESIN - SPS

V0 RESIN - SPS

c. 0.50MM BLADES:

BASE MATERIAL · BRASS

PLATING TYPE: AS NOTED

d 1 20MM BLADES

BASE MATERIAL : BRASS

PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

REFERENCES

UNDERPINNATING - OVERALL

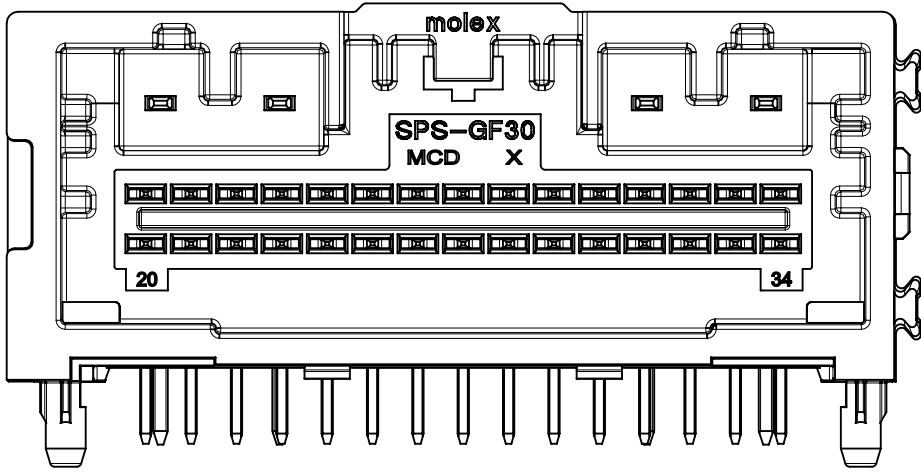
b. OVERPLATING - OVERALL REFLOWED TIN

4. CROSS-HATCHED AREAS MAKE CONTACT WITH PCB

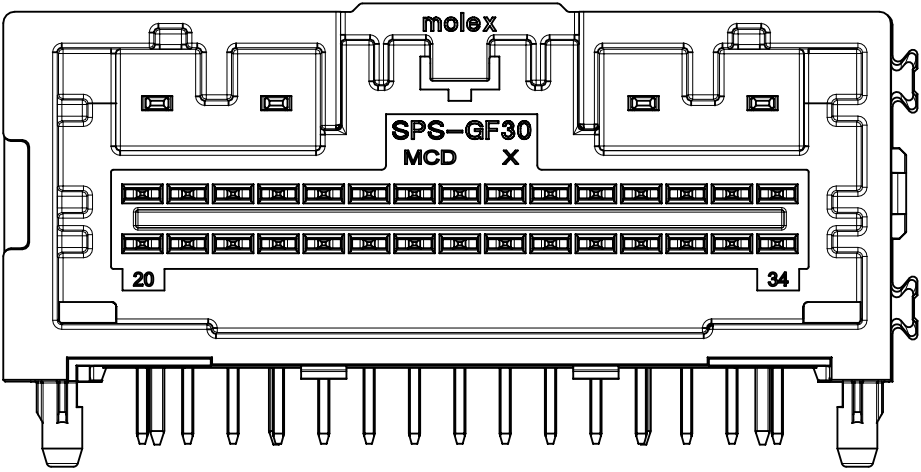
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F = 0 F = 0 F = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN			molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING							
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 0.5°							PRODUCT SALES DRAWING							
	4 PLACES		±												
3 PLACES		±		2 PLACES		±		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
1 PLACE		±		2024-02-29		2024-02-29		2024-03-04		SD-34961-030		PSD	001	K3	
0 PLACES		±		STATUS: Production		DRWN: Gang Li		2024-02-29		DOC PART		REVISION			
				CHK'D: Ringo Hu		2024-02-29		2024-03-04		SD-34961-030		PSD	001	K3	
				APPR: Colin Zhang		2024-03-04				SHEET NUMBER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				 		D-SIZE		34961		SEE TABLE		GENERAL MARKET		1 OF 6	

FORMA T-0000000	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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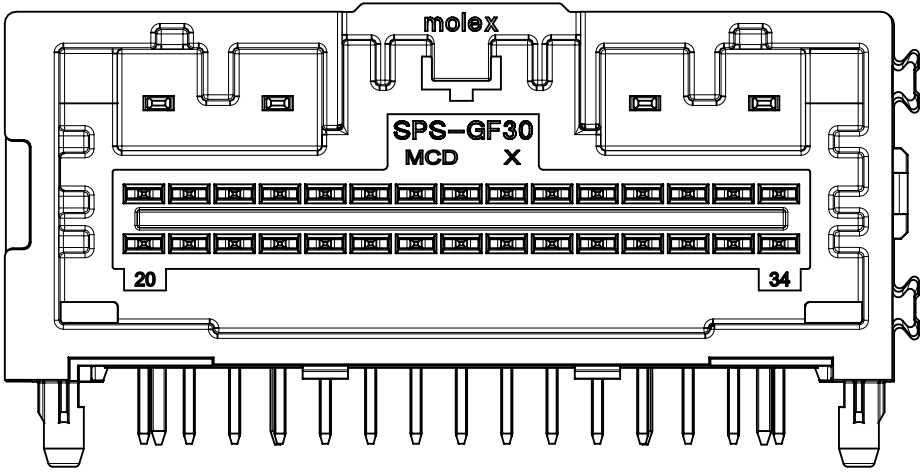
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SHEET NO.	SHEET DESCRIPTION
2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW



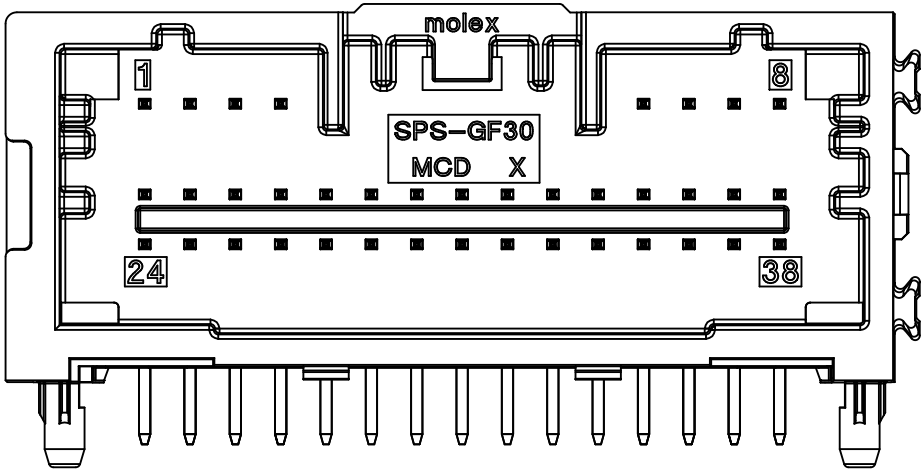
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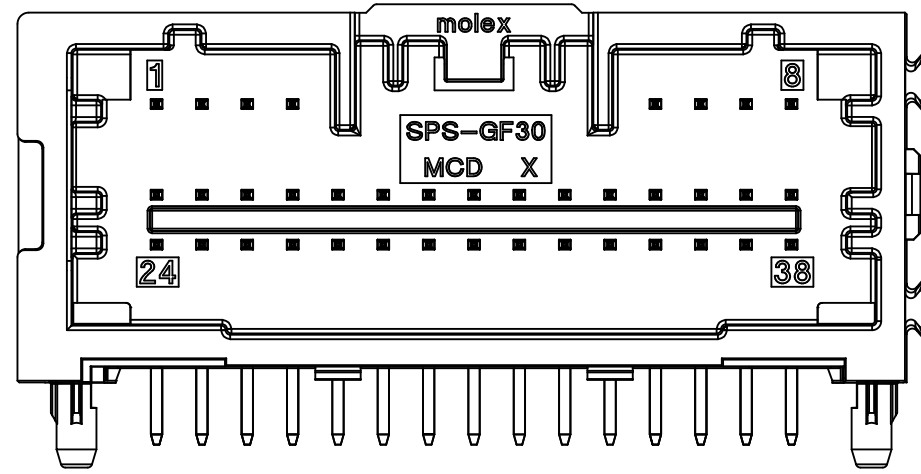
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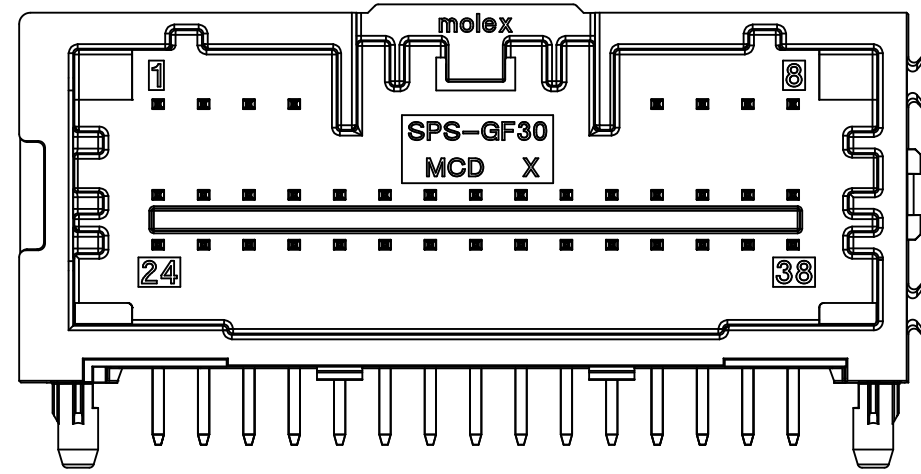
34CKT POLARIZATION OPTION C



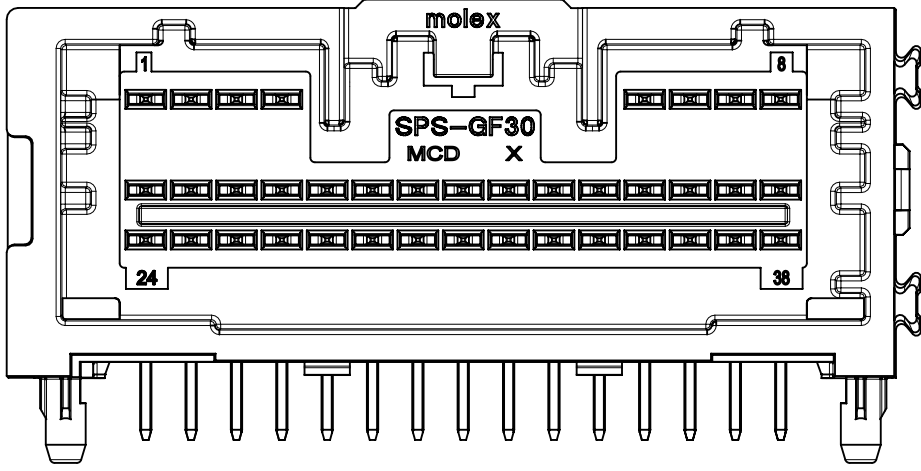
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(OBSOLETE)



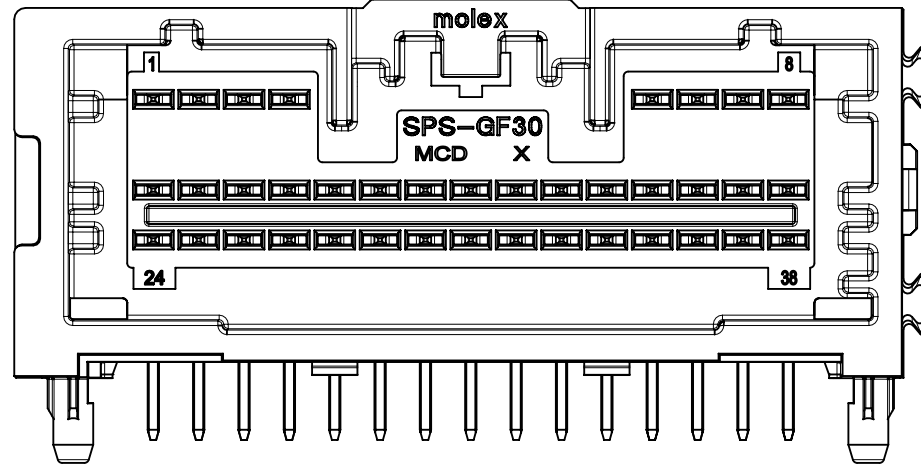
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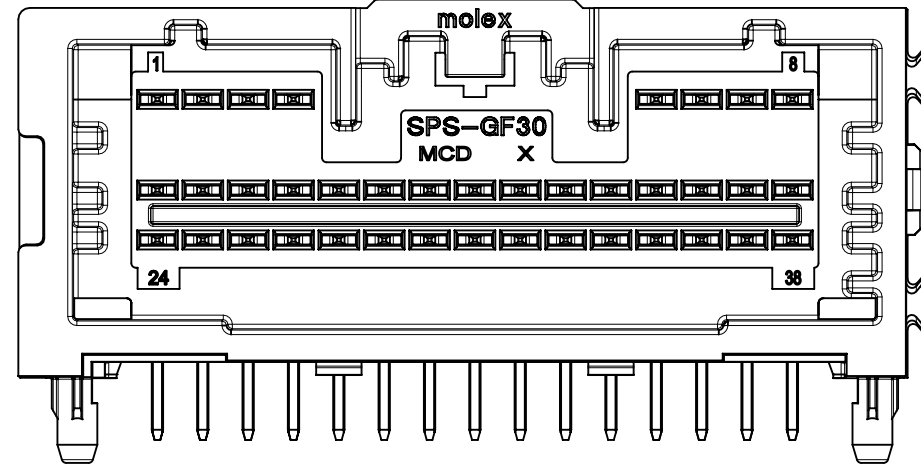
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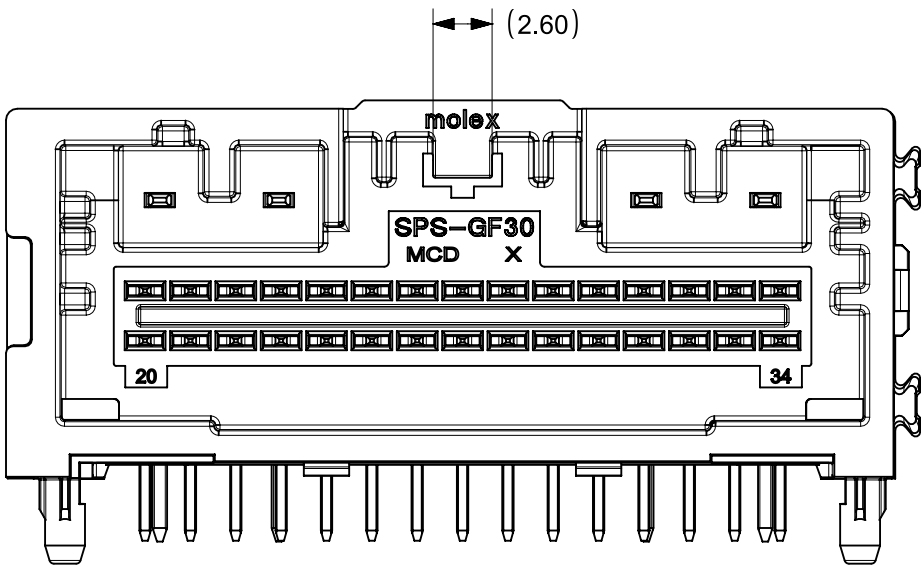
38CKT POLARIZATION OPTION UPDATED A



38CKT POLARIZATION OPTION UPDATED B

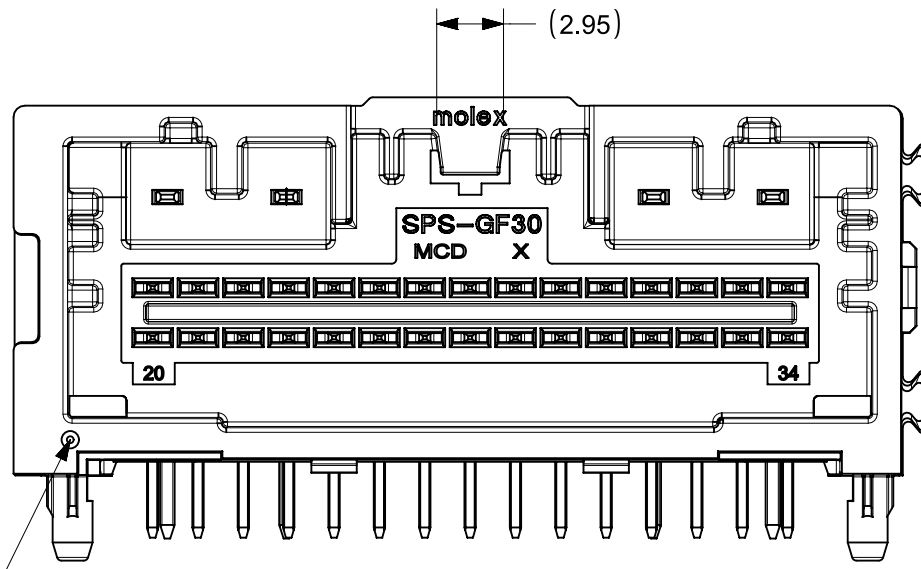


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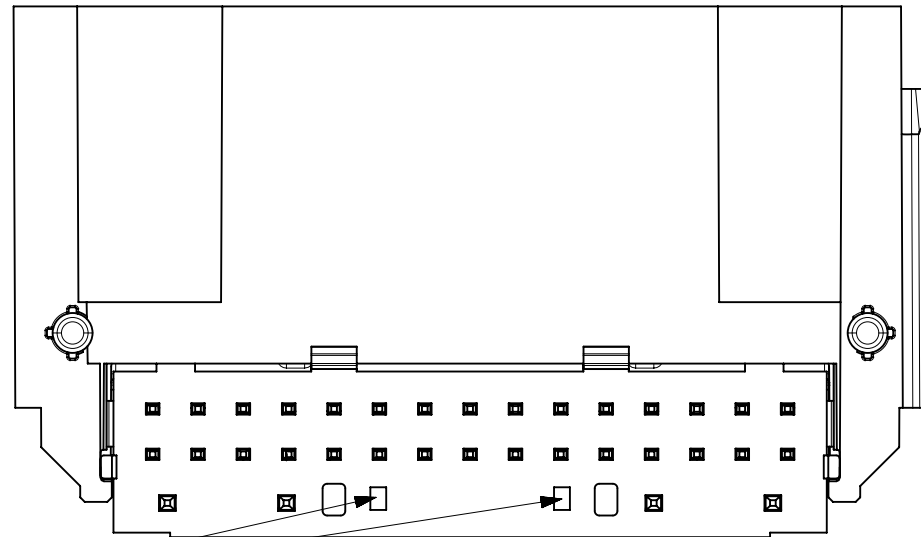


HB P/Ns: 34961XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS F A = 0 F C = 0 F P = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN									
		mm		3:1											
		GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Gang Li CHK'D: Ringo Hu APPR: Colin Zhang									
		ANGULAR TOL ± 0.5°													
		4 PLACES		±											
3 PLACES		±													
2 PLACES		±													
1 PLACE		±													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				D-SIZE		34961		SEE TABLE		GENERAL MARKET		2 OF 6			
mo lex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING PRODUCT SALES DRAWING DOCUMENT NUMBER SD-34961-030 DOC TYPE PSD DOC PART 001 REVISION K3										2024-02-29		2024-02-29		2024-03-04	

molex

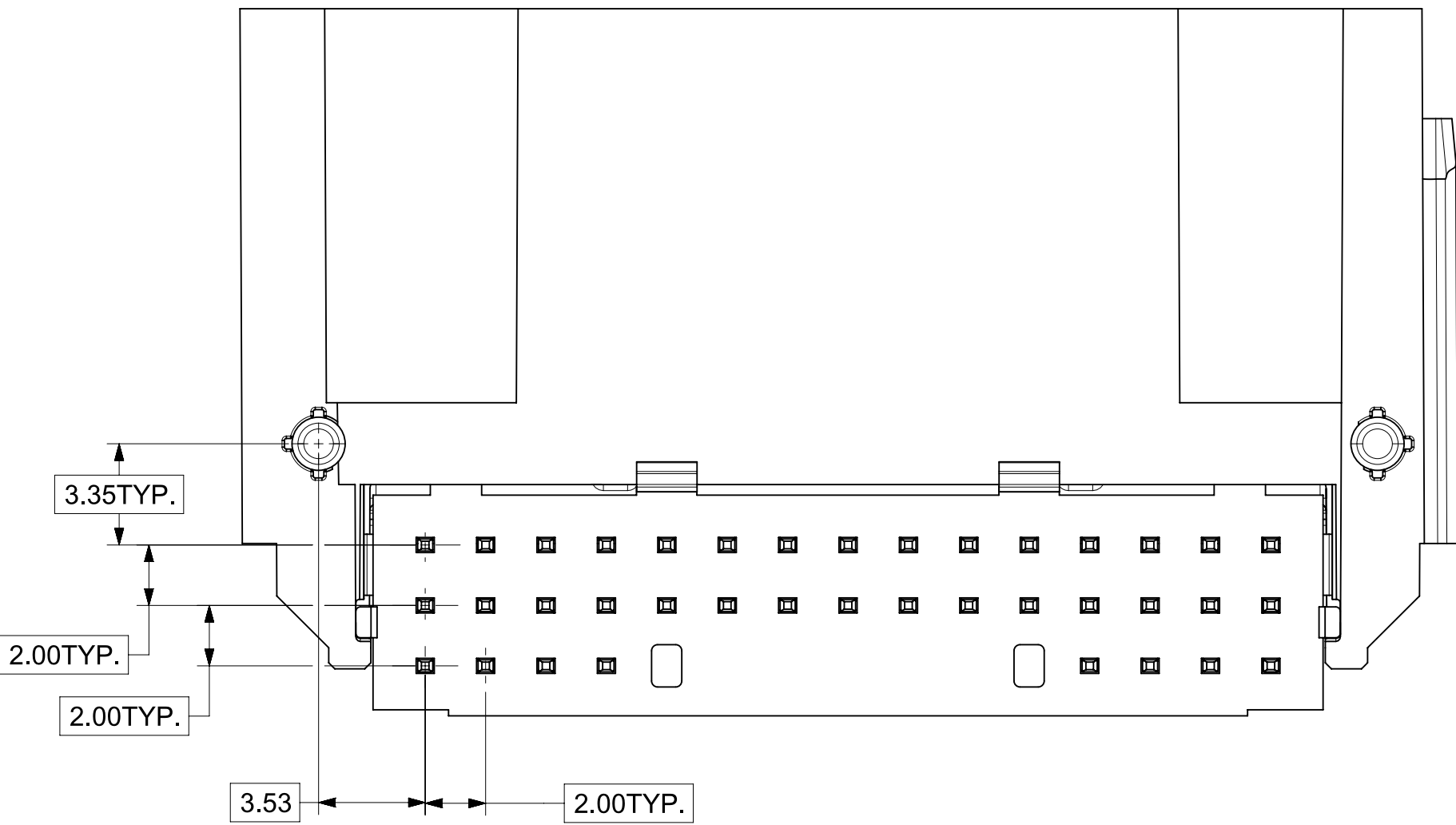
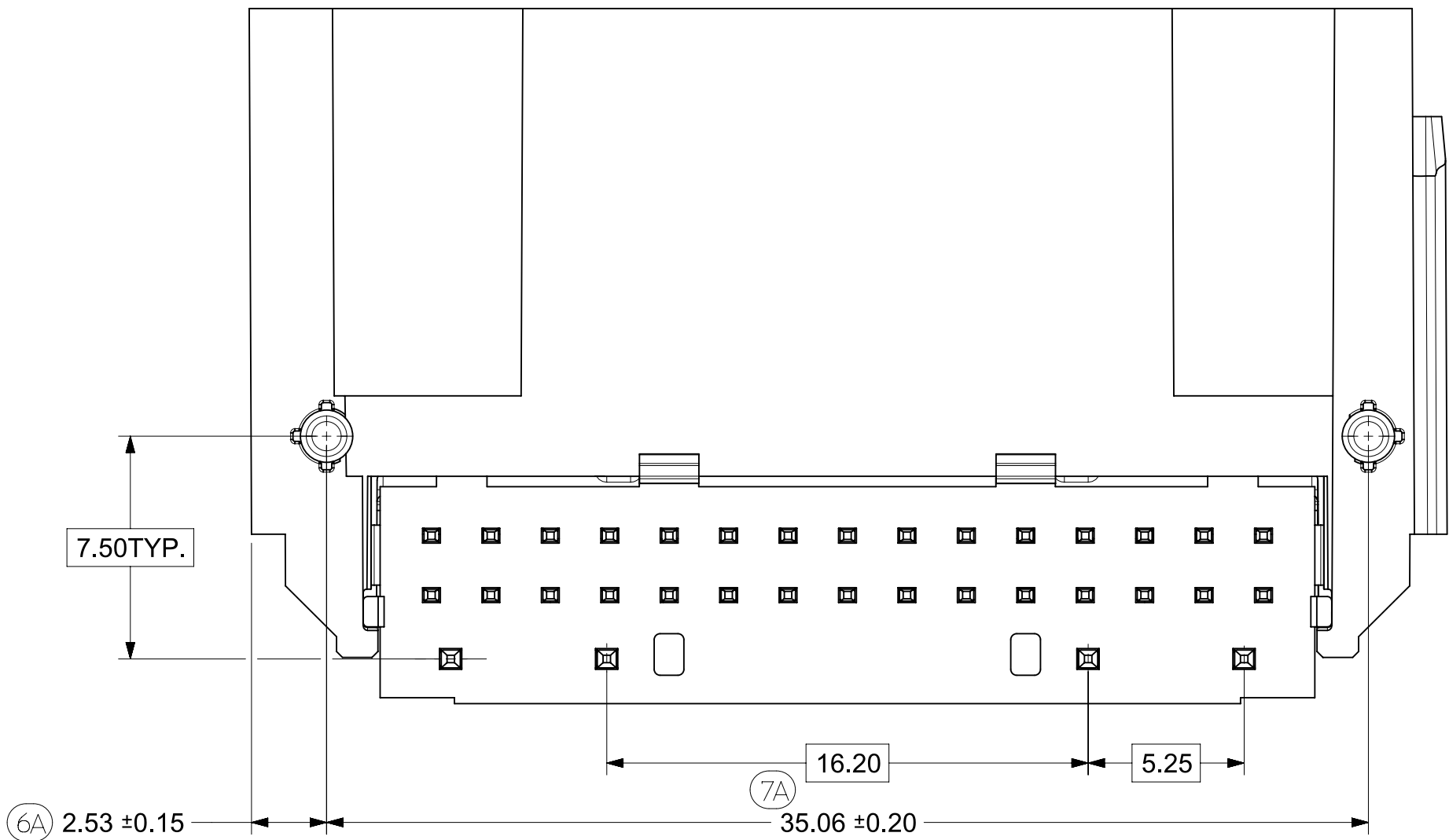
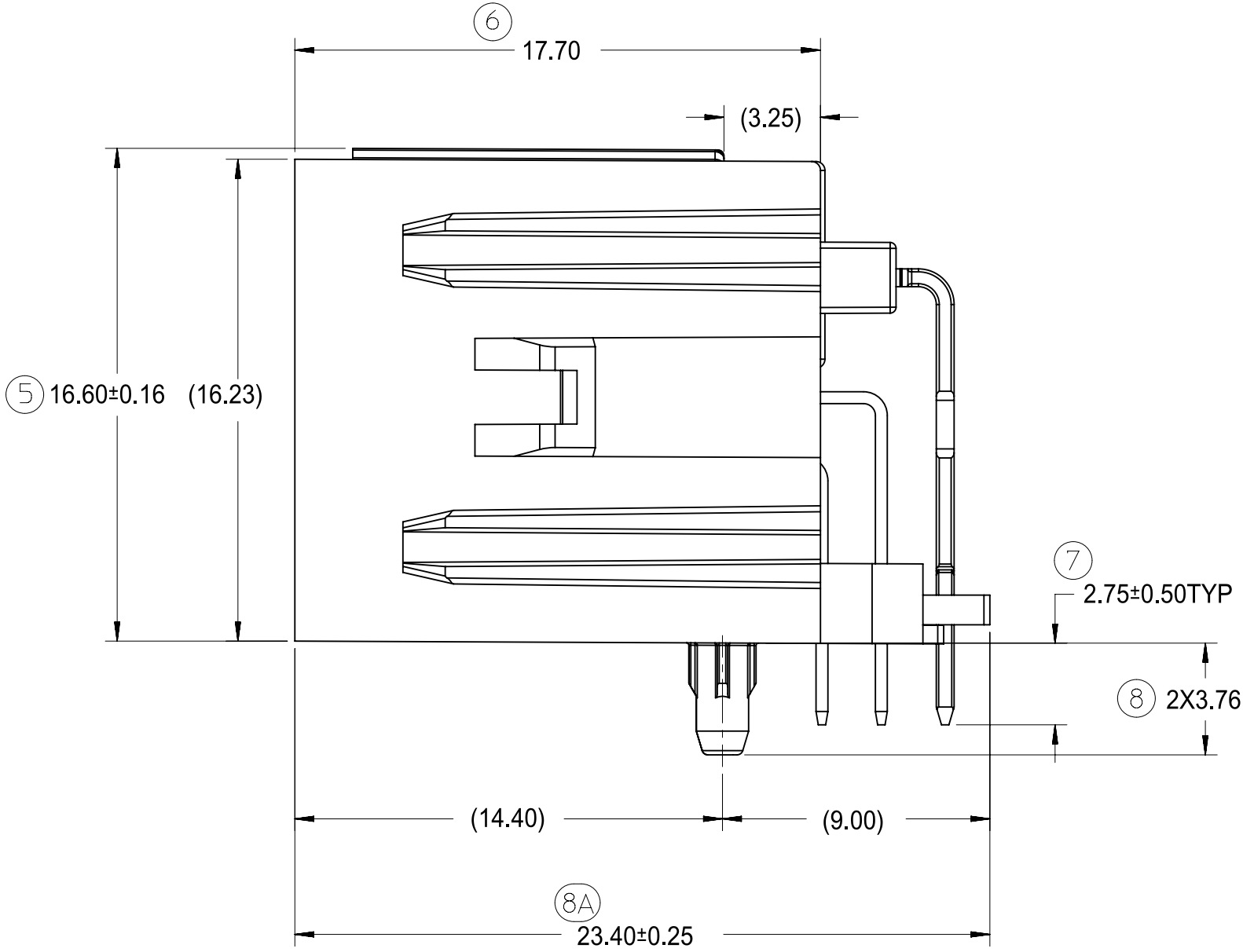
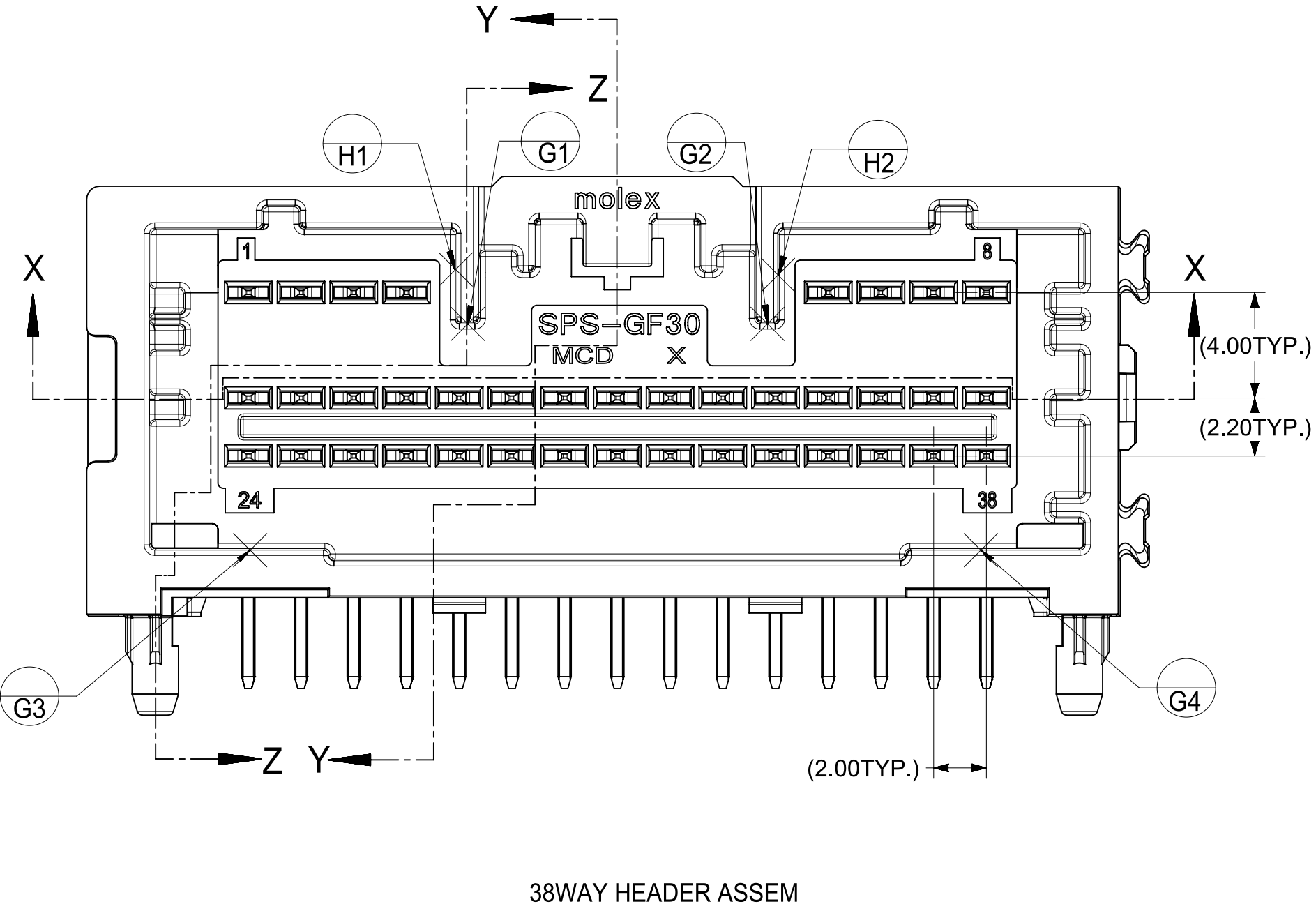
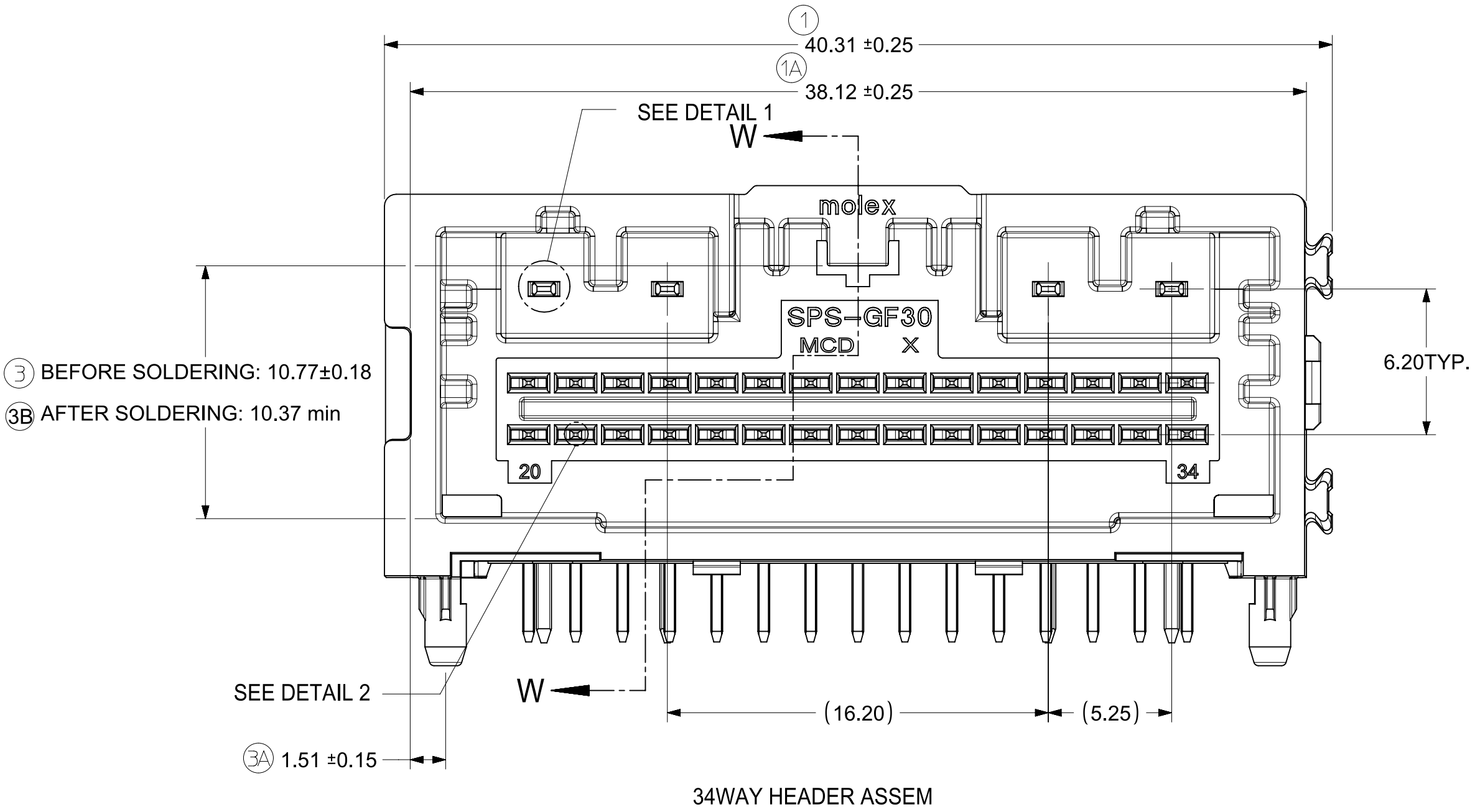
34 & 38CKT MINI50
RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34961-030	PSD	001	K3

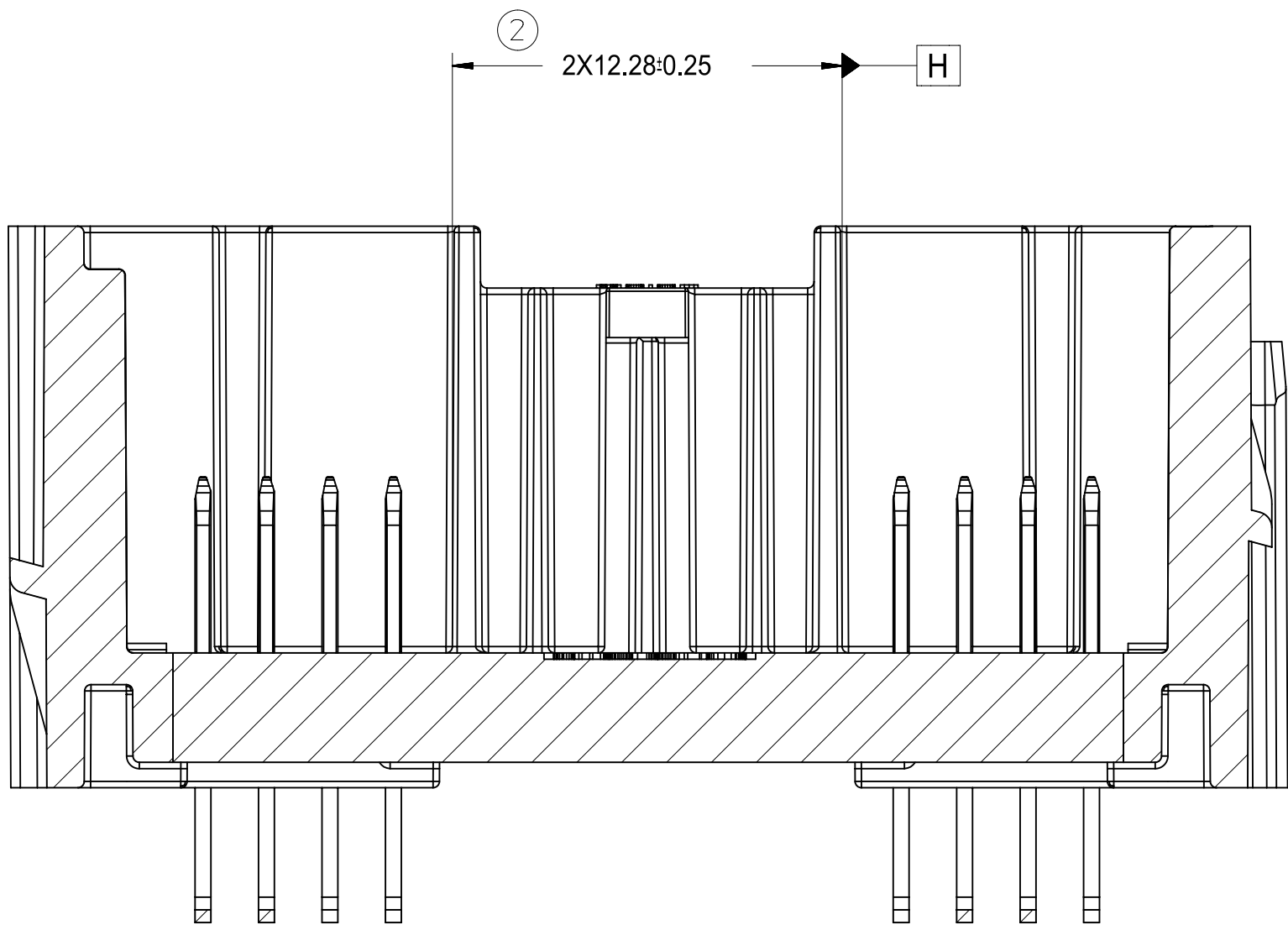
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 6

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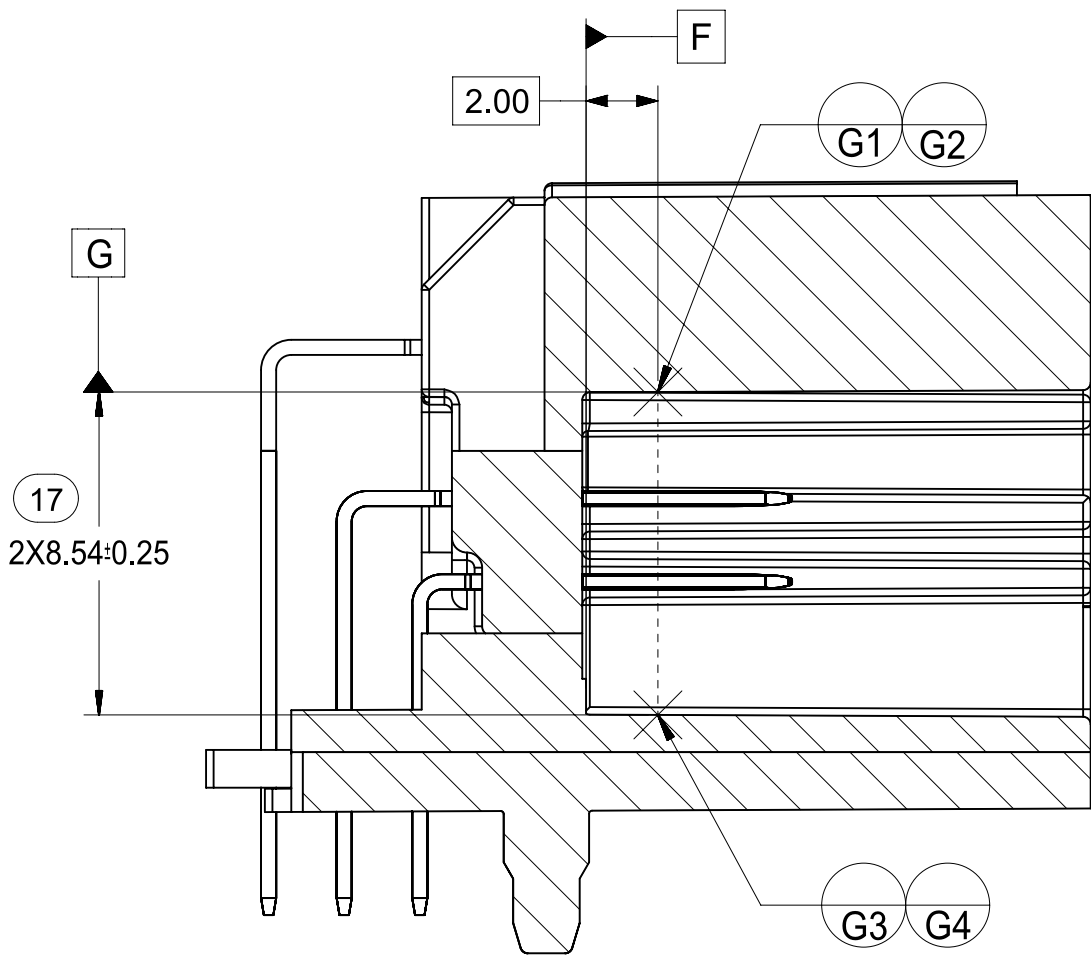


FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REFER TO REVISION COLUMN			
	DIMENSION UNITS	SCALE				
	mm	5:1				
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
DIVISIONAL SYMBOLS	ANGULAR TOL	± 0.5°				
	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	±				
	1 PLACE	±				
DIVISIONAL SYMBOLS	0 PLACES	±				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
		THIRD ANGLE PROJECTION				
		DRAWING				
		D-SIZE				
		SERIES				
		34961				
		MATERIAL NUMBER				
		SEE TABLE				
		CUSTOMER				
		GENERAL MARKET				
		SHEET NUMBER				
		4 OF 6				

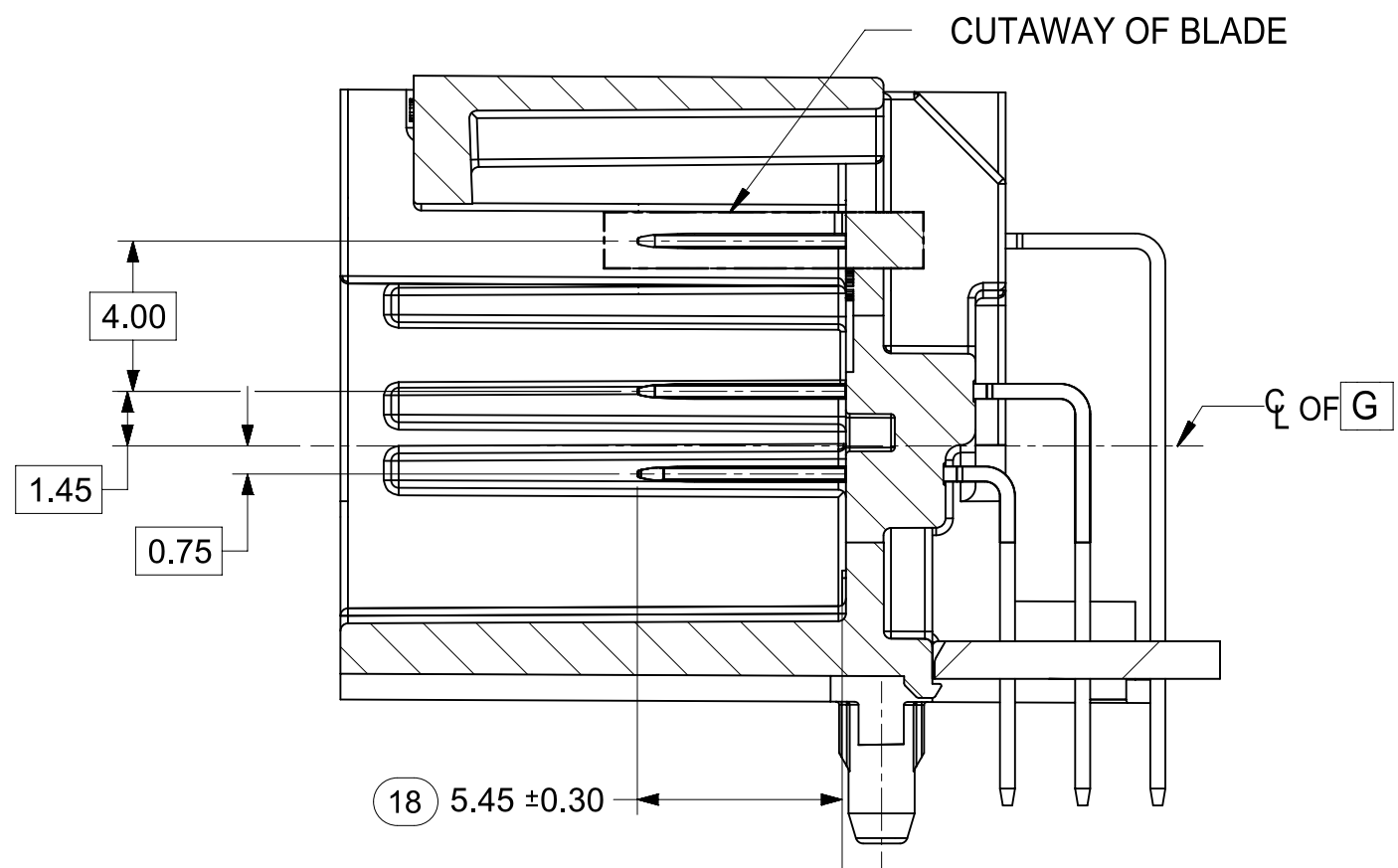
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SHEET NO.	SHEET DESCRIPTION
5	DETAIL DIMENSION VIEW



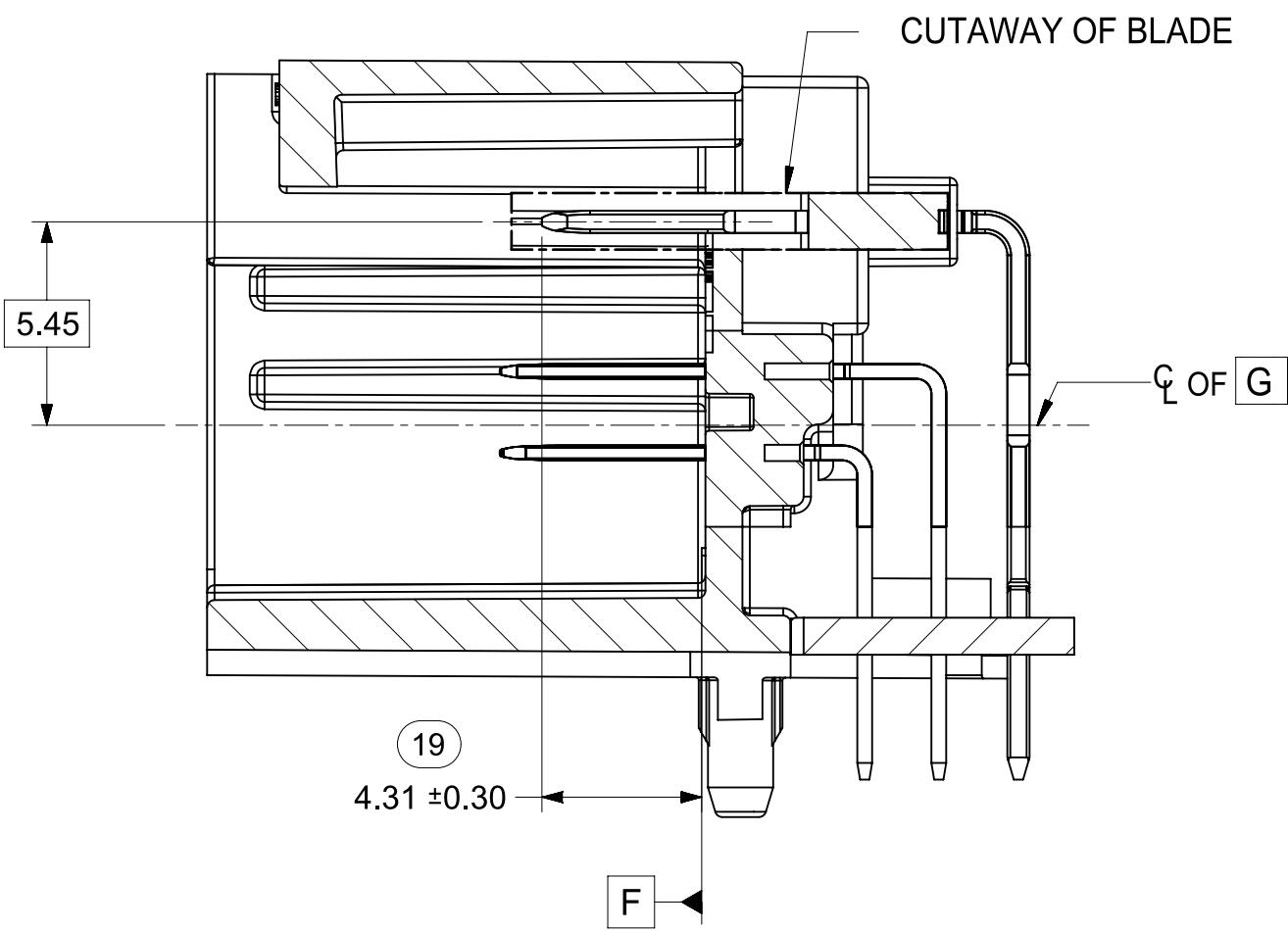
SECTION X-X



SECTION Z-Z

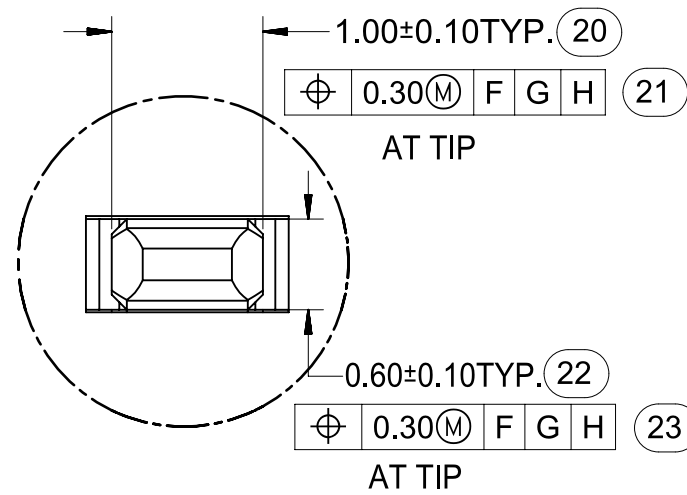


SECTION Y-Y

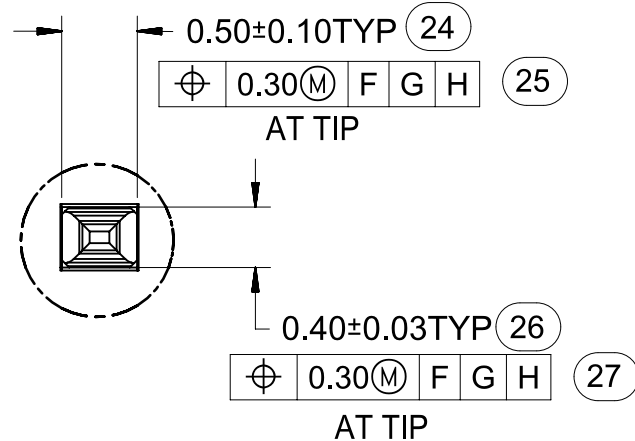


SECTION W-W

MATING SIDE TP:

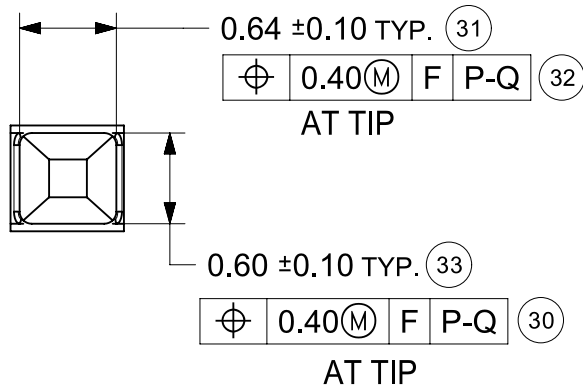


DETAIL 1
SCALE 20:1

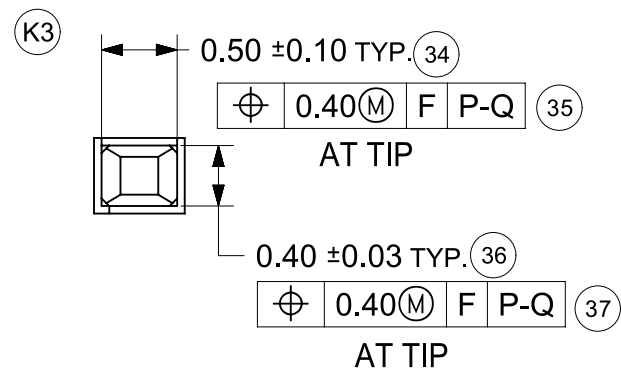


DETAIL 2
SCALE 20:1

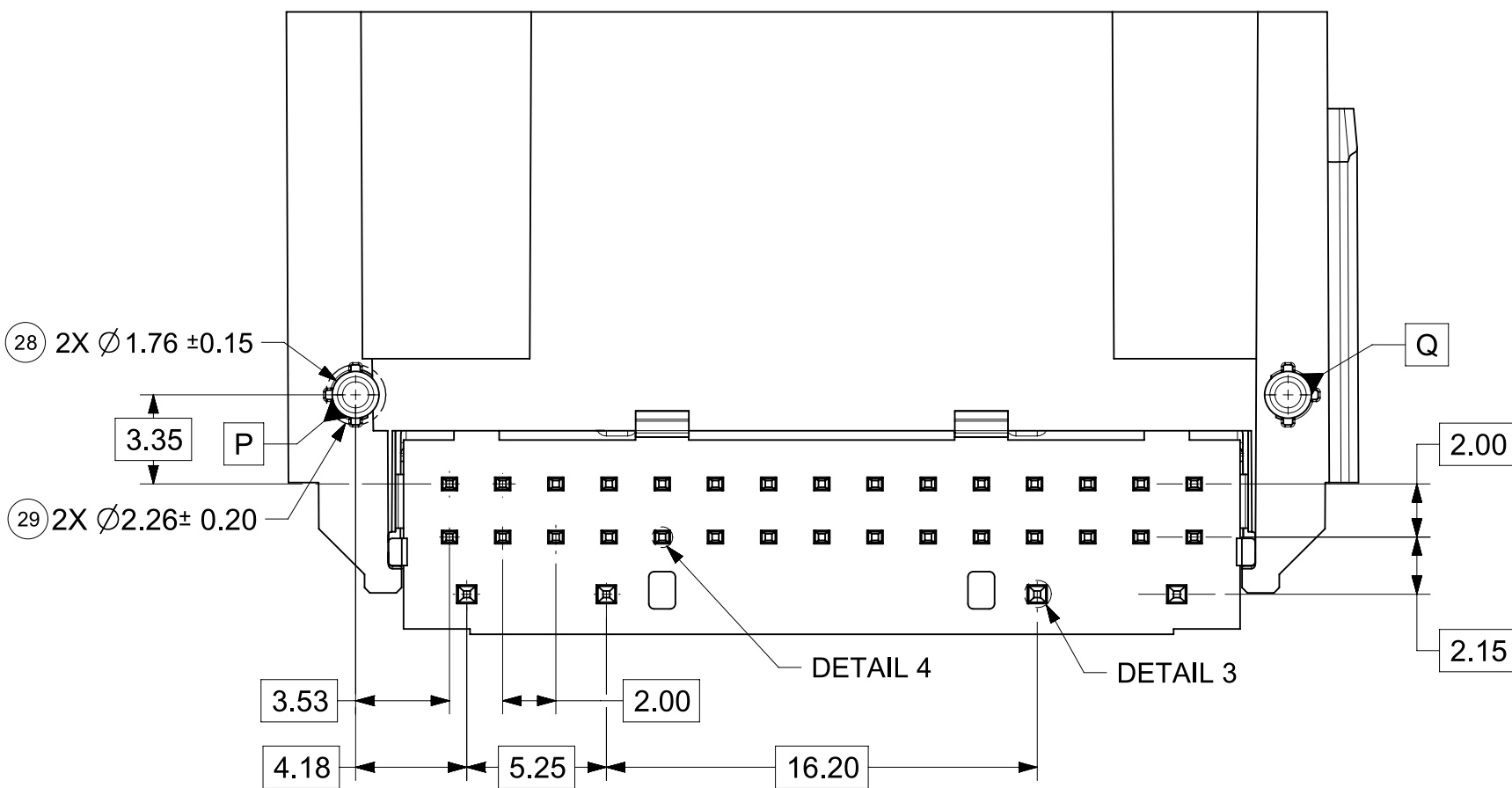
PCB SIDE TP:



DETAIL 3
SCALE 20:1



DETAIL 4
SCALE 20:1



FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN										
	mm		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL		± 0.5°												
	4 PLACES		±												
	3 PLACES		±												
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		34961		SEE TABLE		GENERAL MARKET		5 OF 6	

STATUS: Production

DRWN: Gang Li

CHK'D: Ringo Hu

APPR: Colin Zhang

2024-02-29

2024-02-29

2024-03-04

34 & 38CKT MINI50

RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

PRODUCT SALES DRAWING

DOCUMENT NUMBER

SD-34961-030

DOC TYPE

PSD

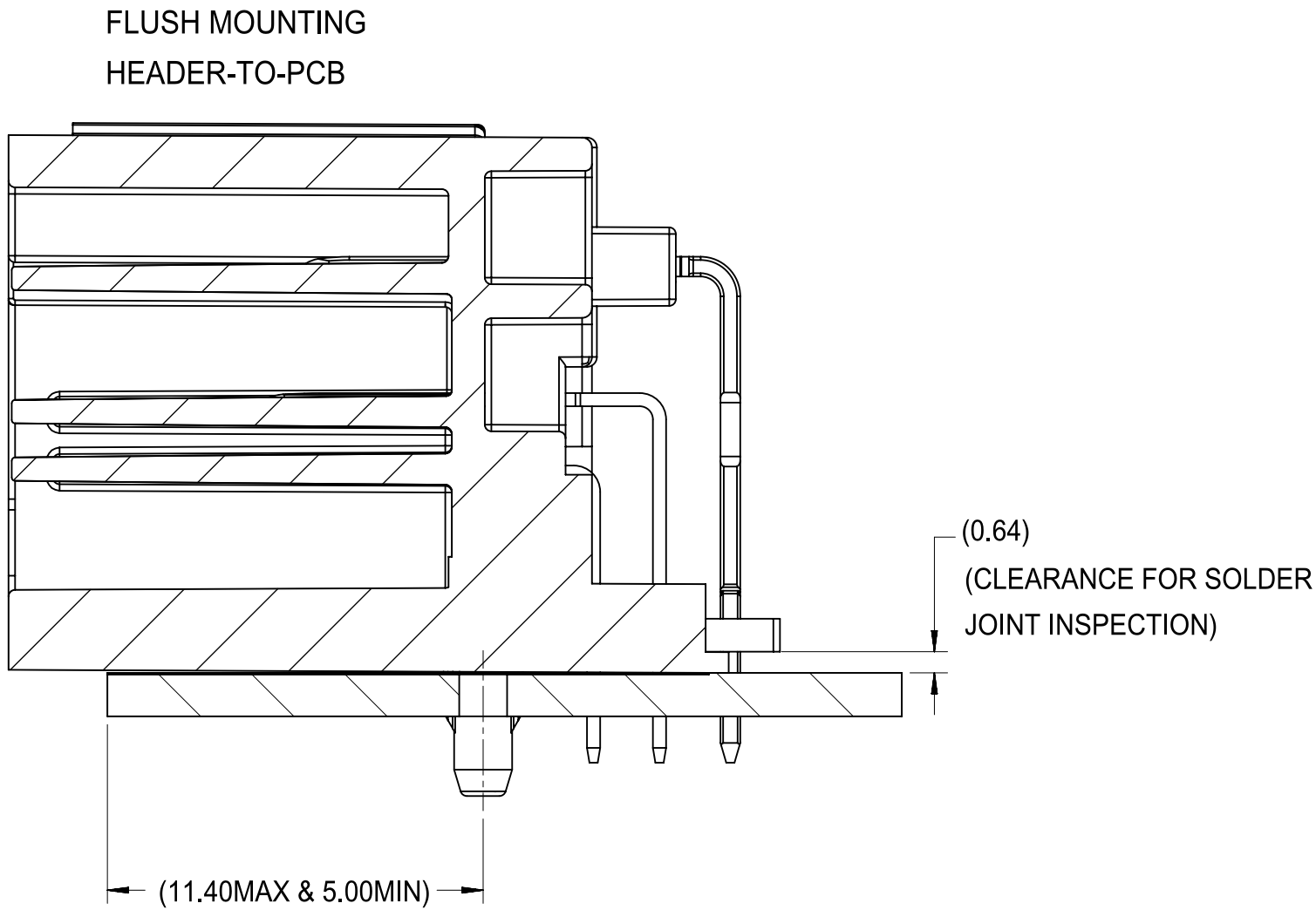
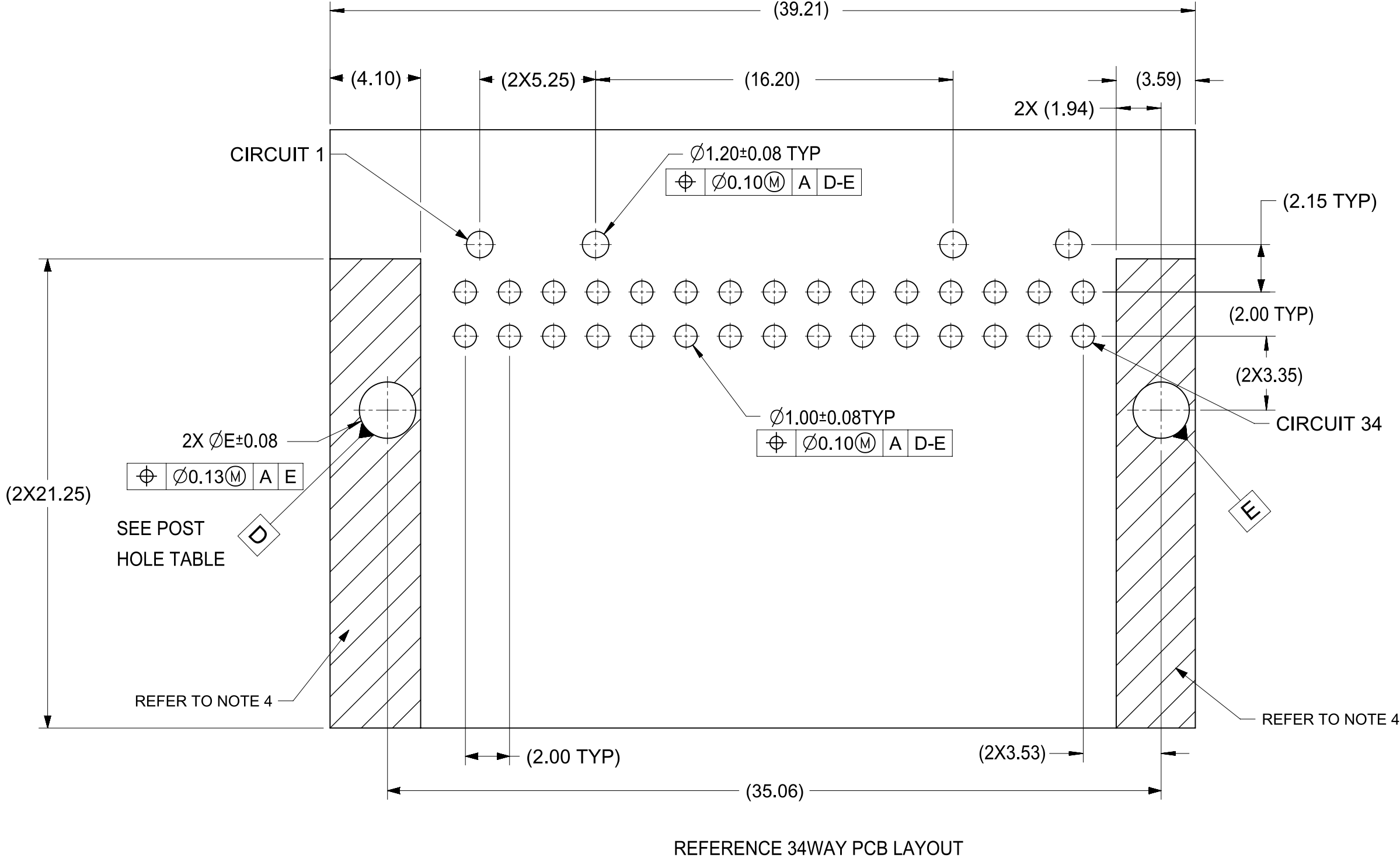
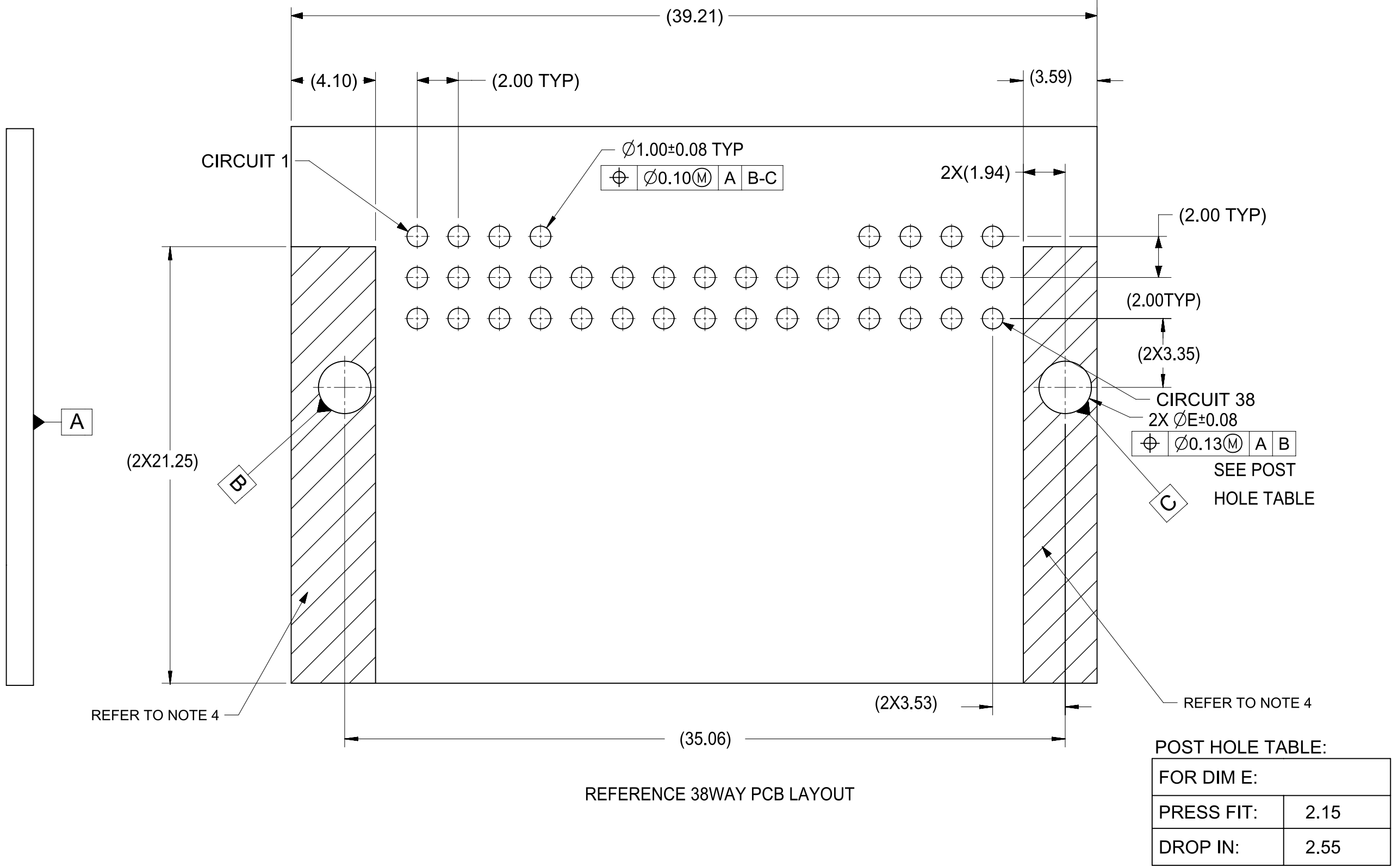
DOC PART

001

REVISION

K3

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SHEET NO.	SHEET DESCRIPTION
6	REFERENCE PCB LAYOUT



FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REFER TO REVISION COLUMN	
	DIMENSION UNITS mm	SCALE 5:1		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL	± 0.5°		
	4 PLACES	±		
	3 PLACES	±		
	2 PLACES	±		
	1 PLACE	±		
	0 PLACES	±		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING D-SIZE	SERIES 34961

molex			
34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING			
PRODUCT SALES DRAWING			
DOCUMENT NUMBER SD-34961-030	DOC TYPE PSD	DOC PART 001	REVISION K3
MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET	SHEET NUMBER 6 OF 6	

STATUS: Production	2024-02-29
DRWN: Gang Li	2024-02-29
CHK'D: Ringo Hu	2024-03-04
APPR: Colin Zhang	