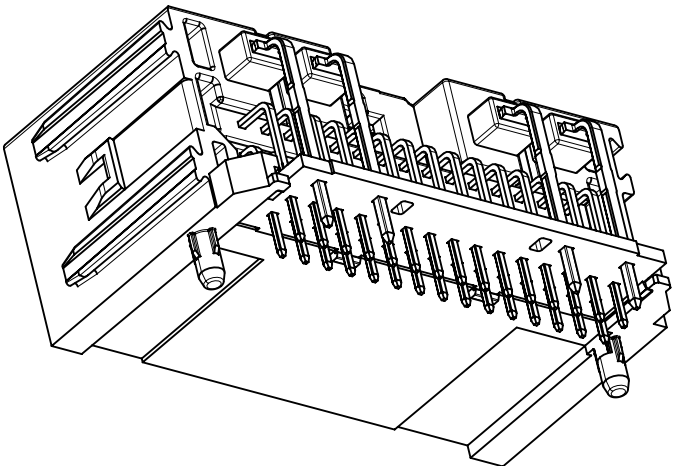
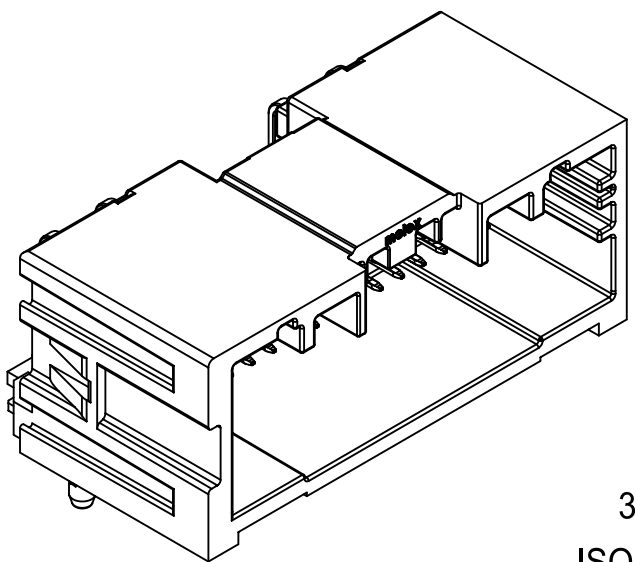
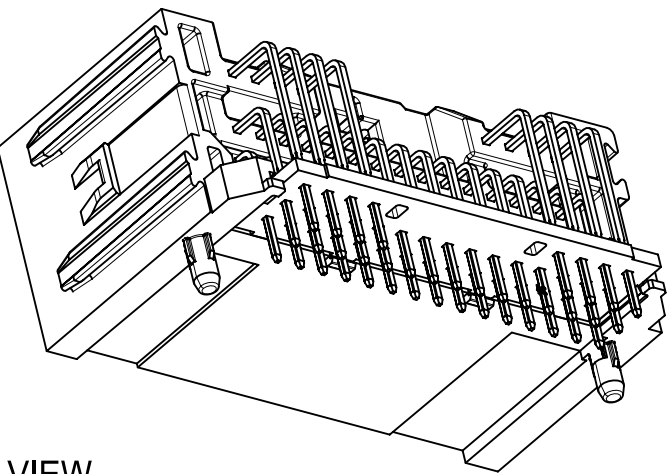
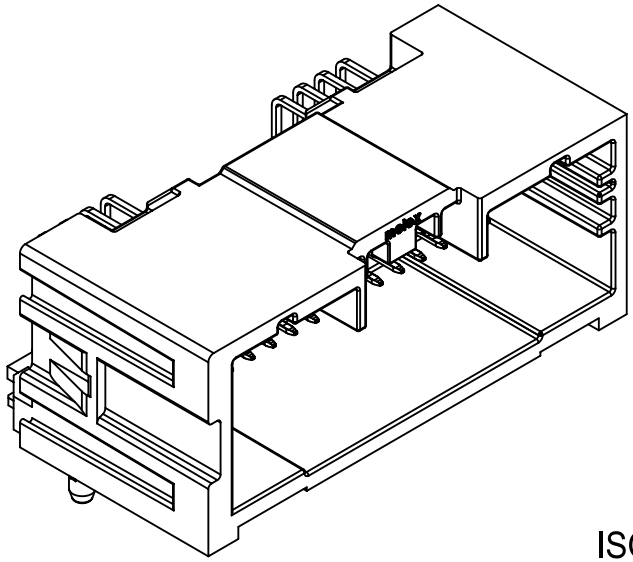


20	19	18	17
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1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW		
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW		
3	PIN INSERTION DIRECTION VIEW PAP HOLE SHAPE VIEW		
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 UP TO	0	1	3	6	10	15	22	30	40	53	70	90	120
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)

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:

a. UNDERPLATING - OVERALL NICKEL

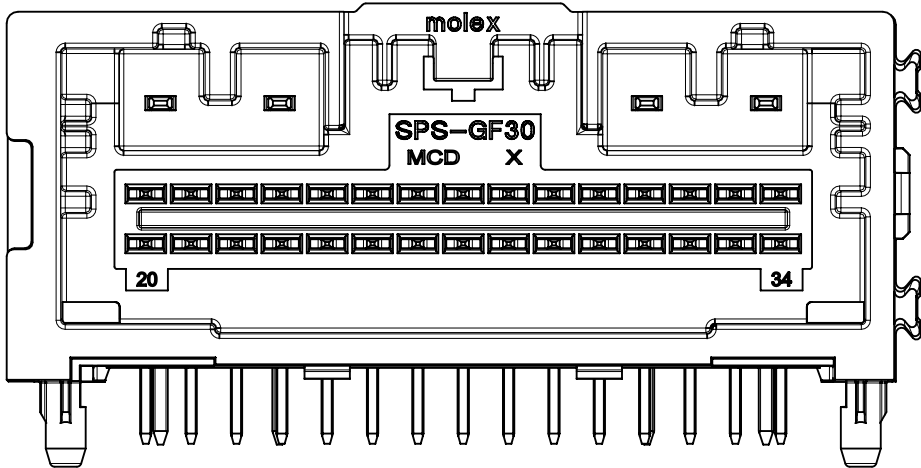
b. OVERPLATING - OVERALL REFLOWED TIN

4. CROSS-HATCHED AREAS MAKE CONTACT WITH PCB

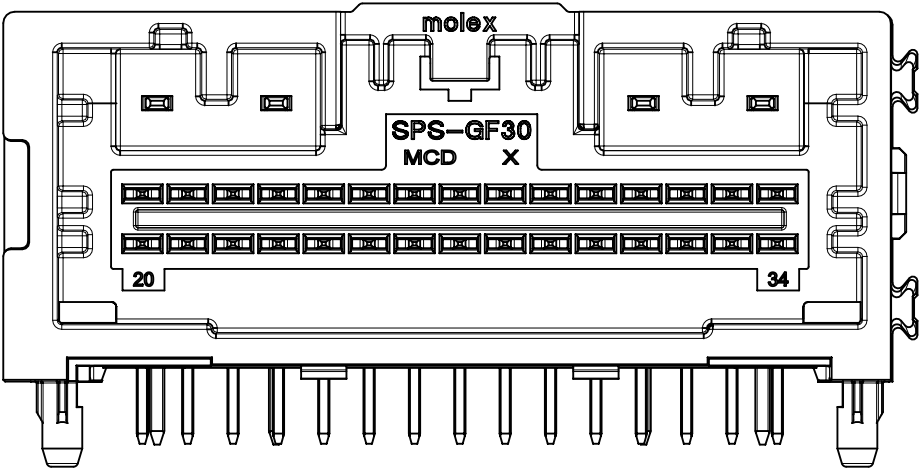
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
F = 0 F = 0 F = 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN					molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING					
		mm		2:1												
		GENERAL TOLERANCES (UNLESS SPECIFIED)														
		ANGULAR TOL ± 0.5°														
		0 PLACES		±												
DIVISIONAL SYMBOLS		3 PLACES		±		STATUS: Production DRWN: Gang Li 2024-02-29 CHK'D: Ringo Hu 2024-02-29 APPR: Colin Zhang 2024-03-04					PRODUCT SALES DRAWING					
		2 PLACES		±							DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
		1 PLACE		±							SD-34961-030		PSD		001	K3
		0 PLACES		±												
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION							DRAWING		SERIES		MATERIAL 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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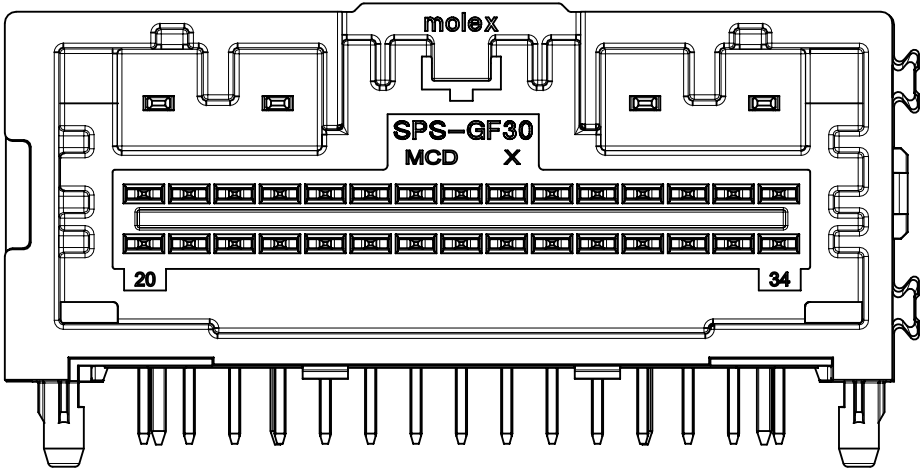
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2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW



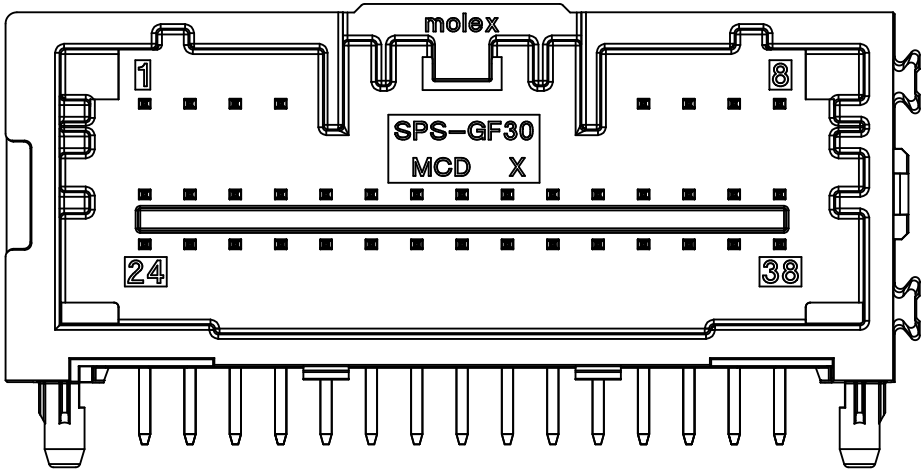
34CKT POLARIZATION OPTION A



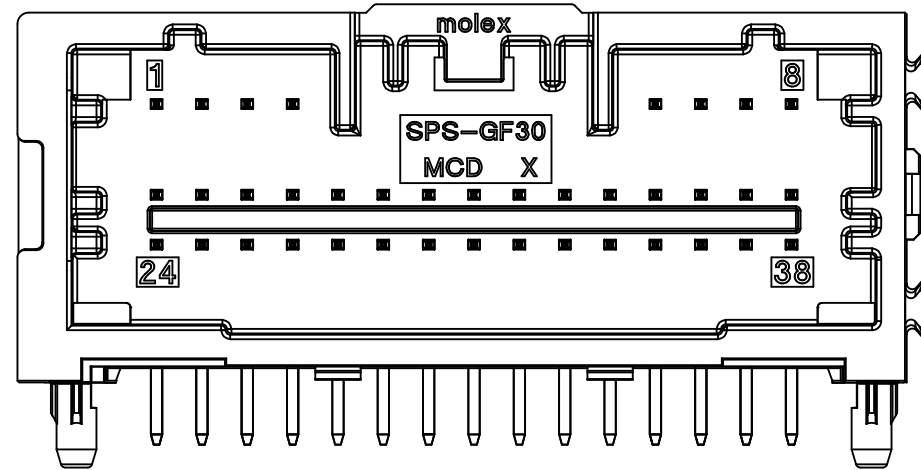
34CKT POLARIZATION OPTION B



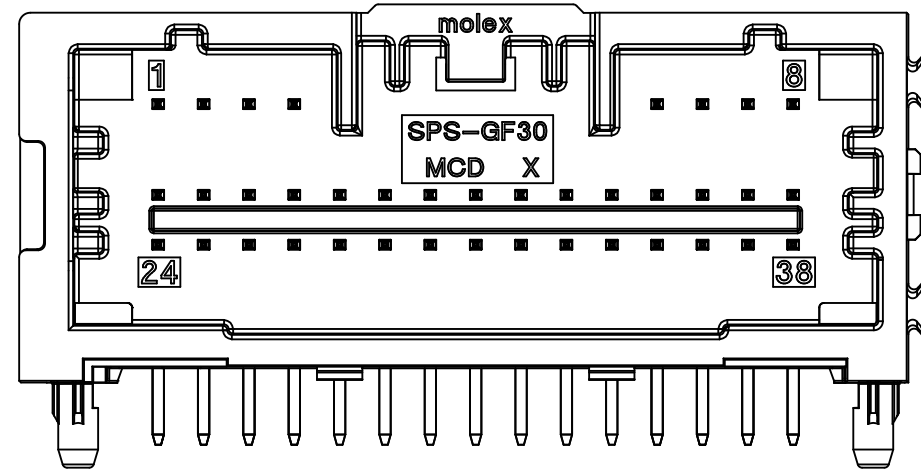
34CKT POLARIZATION OPTION C



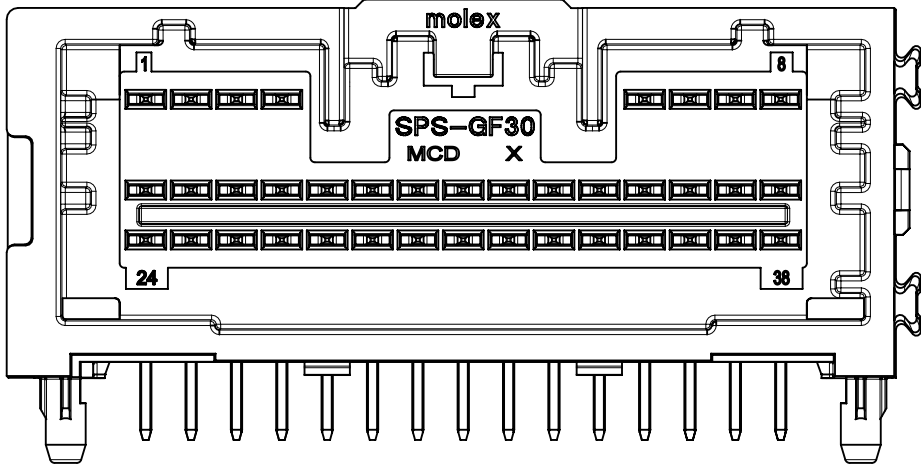
38CKT POLARIZATION OPTION A
(OBSOLETE)



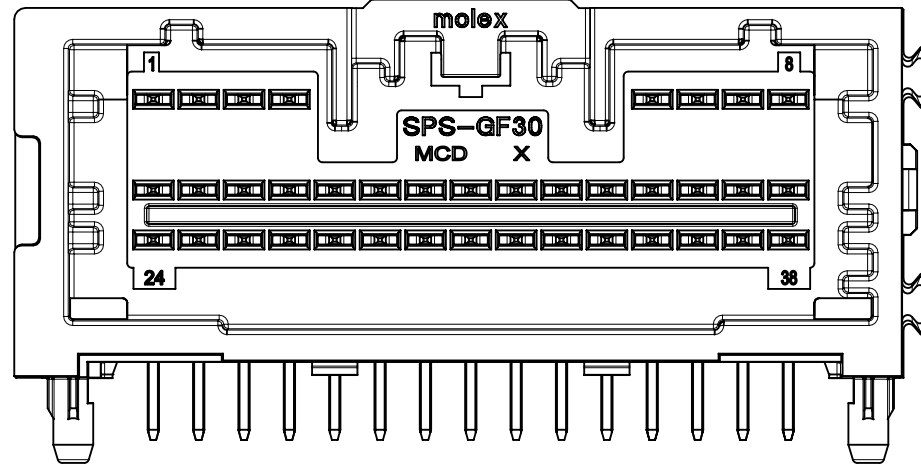
38CKT POLARIZATION OPTION B
(OBSOLETE)



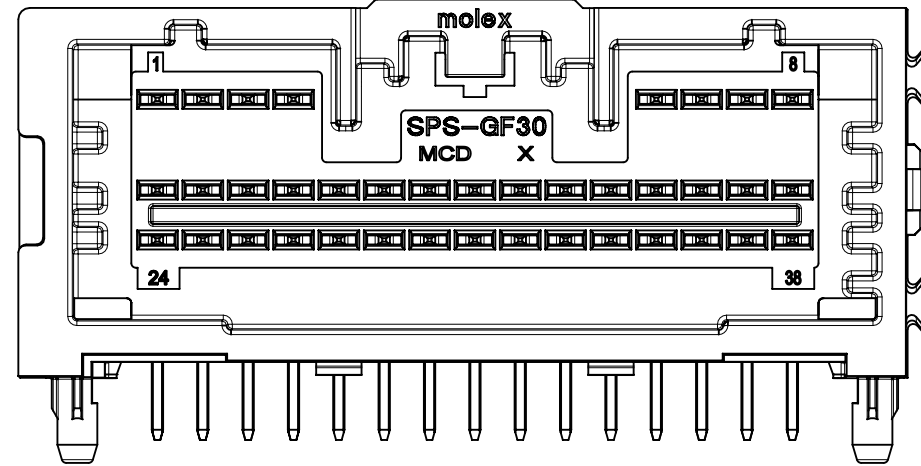
38CKT POLARIZATION OPTION C
(OBSOLETE)



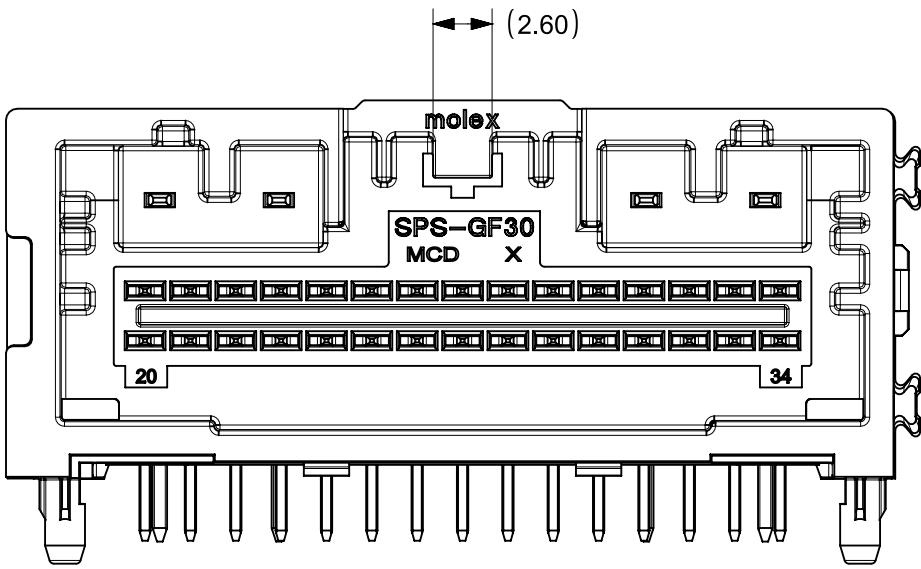
38CKT POLARIZATION OPTION UPDATED A



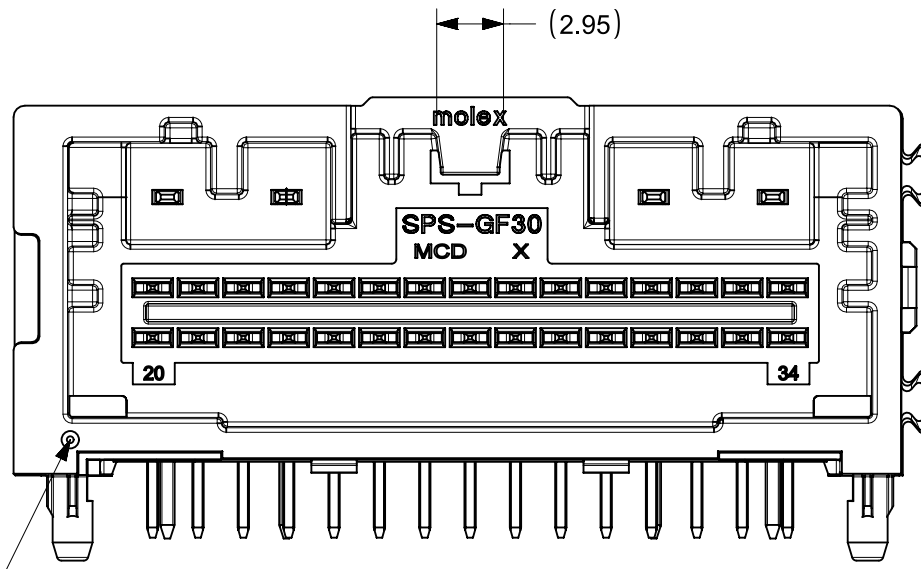
38CKT POLARIZATION OPTION UPDATED B



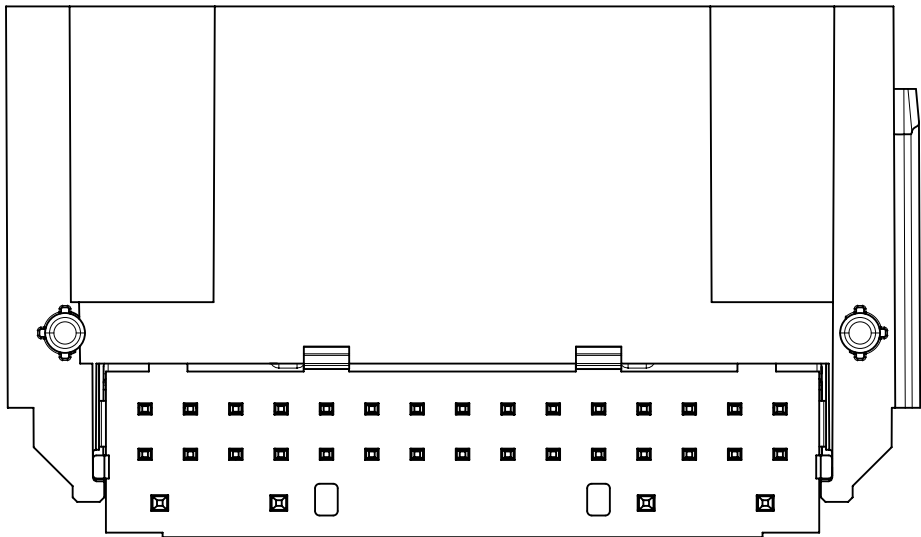
38CKT POLARIZATION OPTION UPDATED C



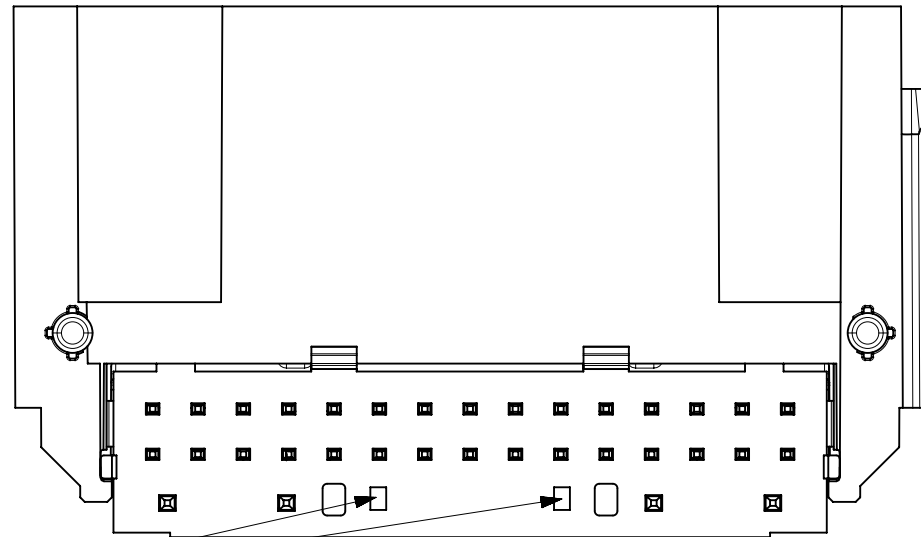
HB / V0 VERSION DIFFERENCE



DEPRESSION FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART



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



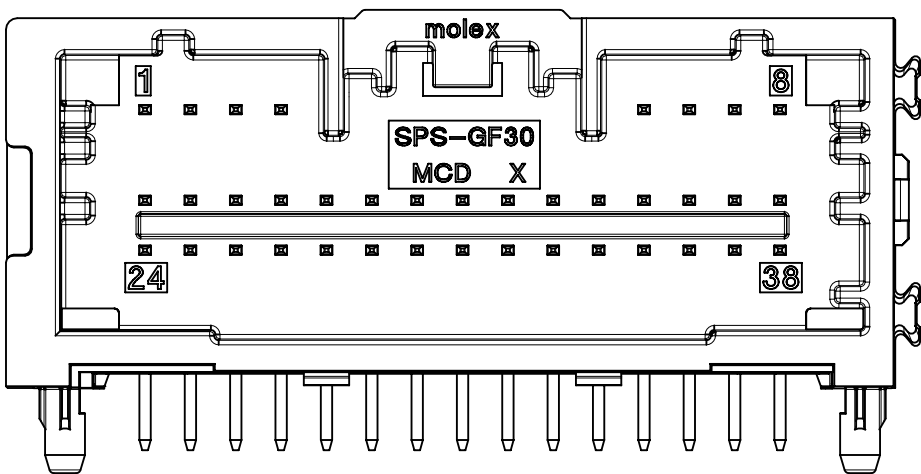
HOLE FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART

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

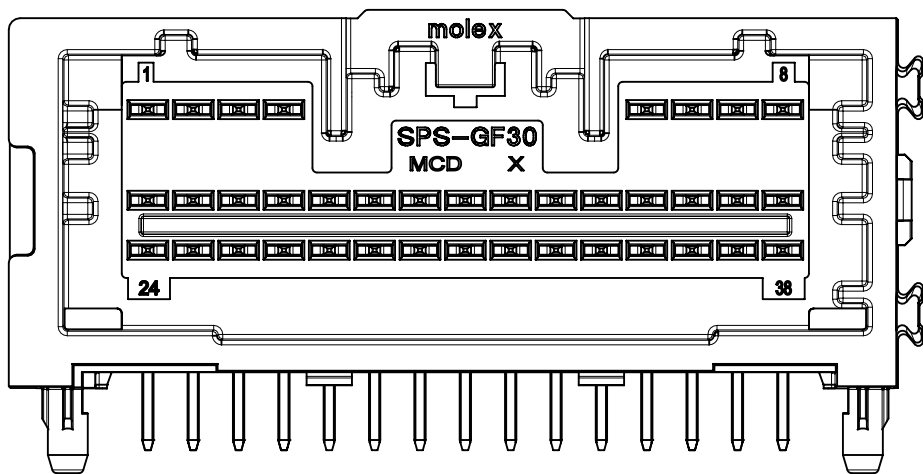
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN				
E A = 0	mm	3:1							
E C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
E P = 0	ANGULAR TOL ±		0.5°						
DIVISIONAL SYMBOLS	4 PLACES	±	STATUS: Production DRWN: Gang Li 2024-02-29 CHK'D: Ringo Hu 2024-02-29 APPR: Colin Zhang 2024-03-04						
	3 PLACES	±							
	2 PLACES	±							
	1 PLACE	±							
	0 PLACES	±							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
				D-SIZE	34961	SEE TABLE	GENERAL MARKET		2 OF 6
</									

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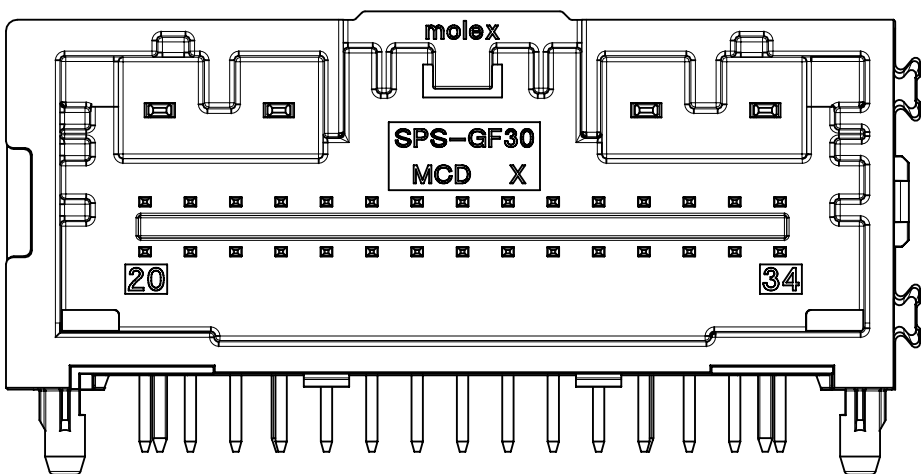
PIN INSERTION DIRECTION VIEW



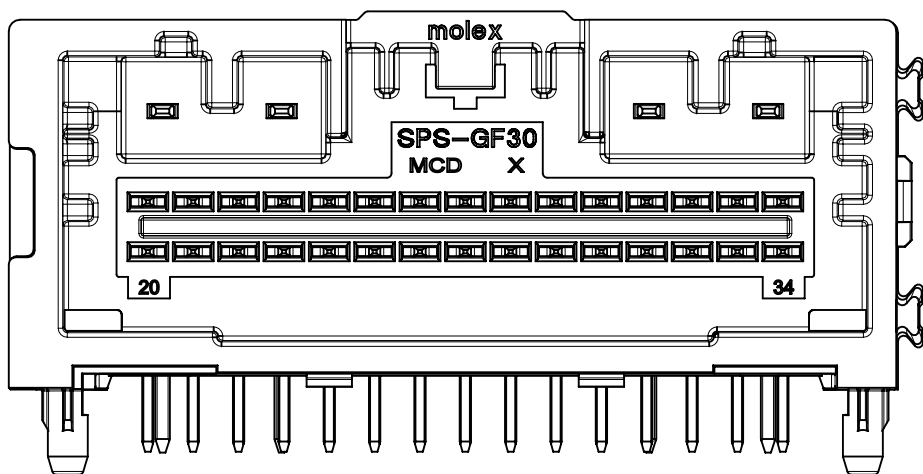
38CKT PIN INSERTION DIRECTION
PCB SIDE TO MATING SIDE



38CKT PIN INSERTION DIRECTION
MATING SIDE TO PCB SIDE

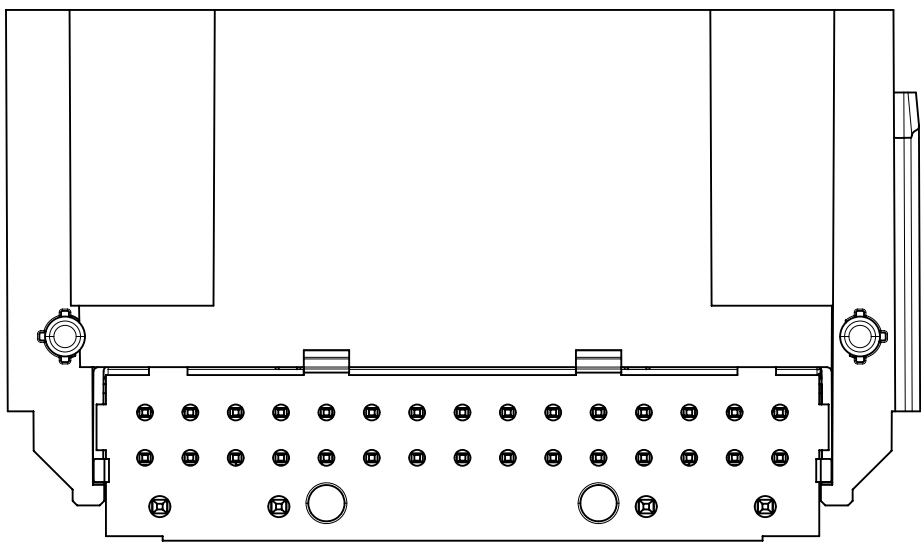


34CKT PIN INSERTION DIRECTION
PCB SIDE TO MATING SIDE

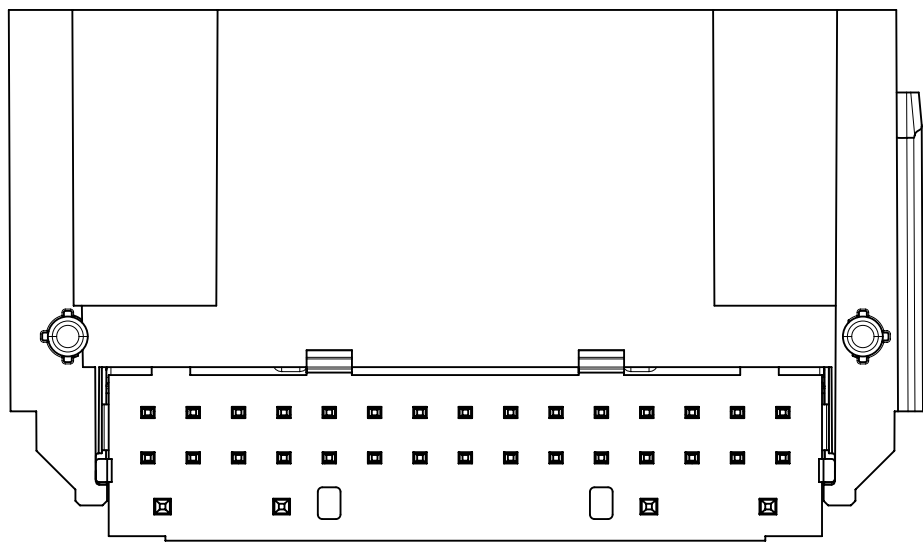


34CKT PIN INSERTION DIRECTION
MATING SIDE TO PCB SIDE

PAP HOLE SHAPE VIEW



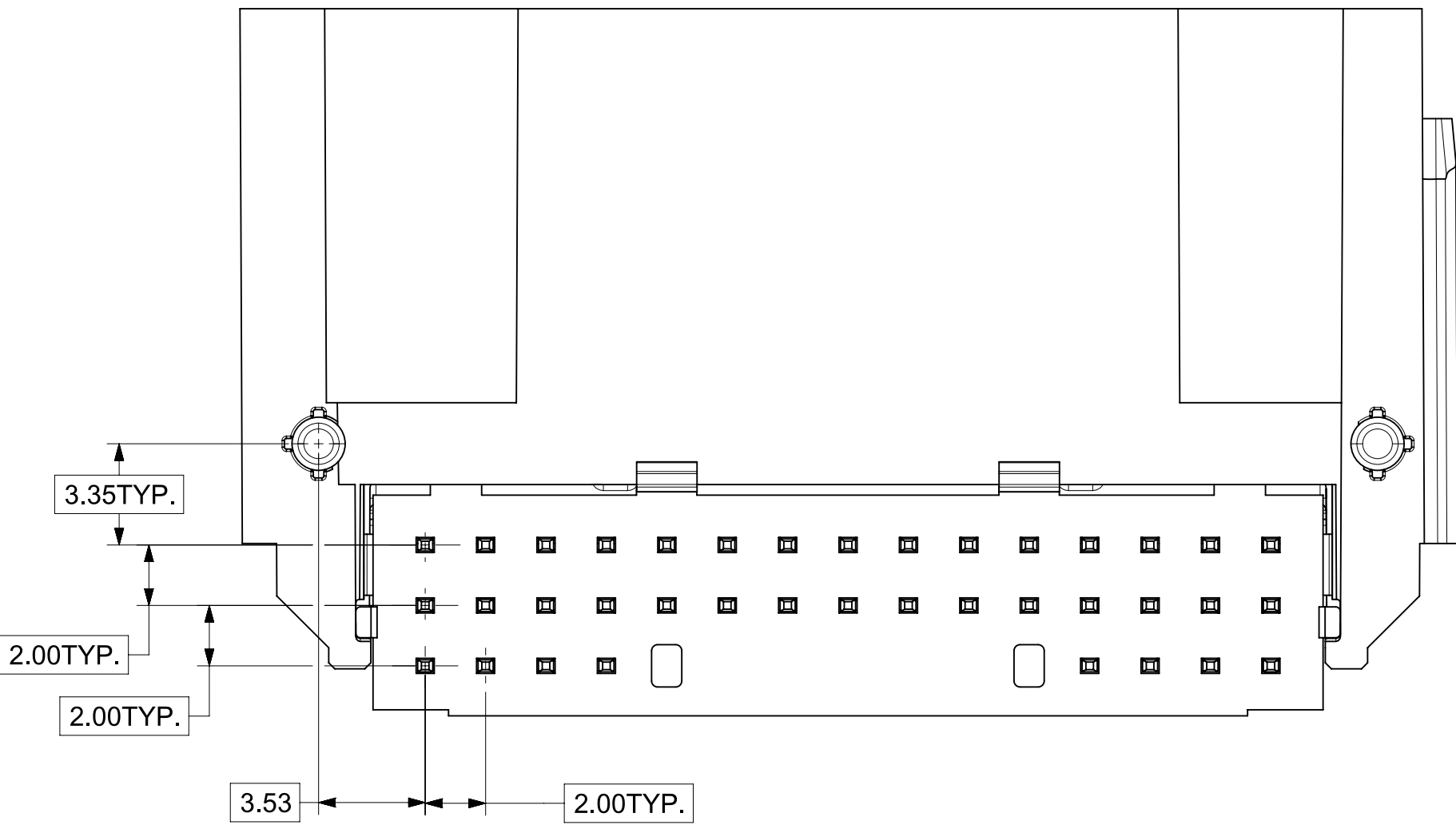
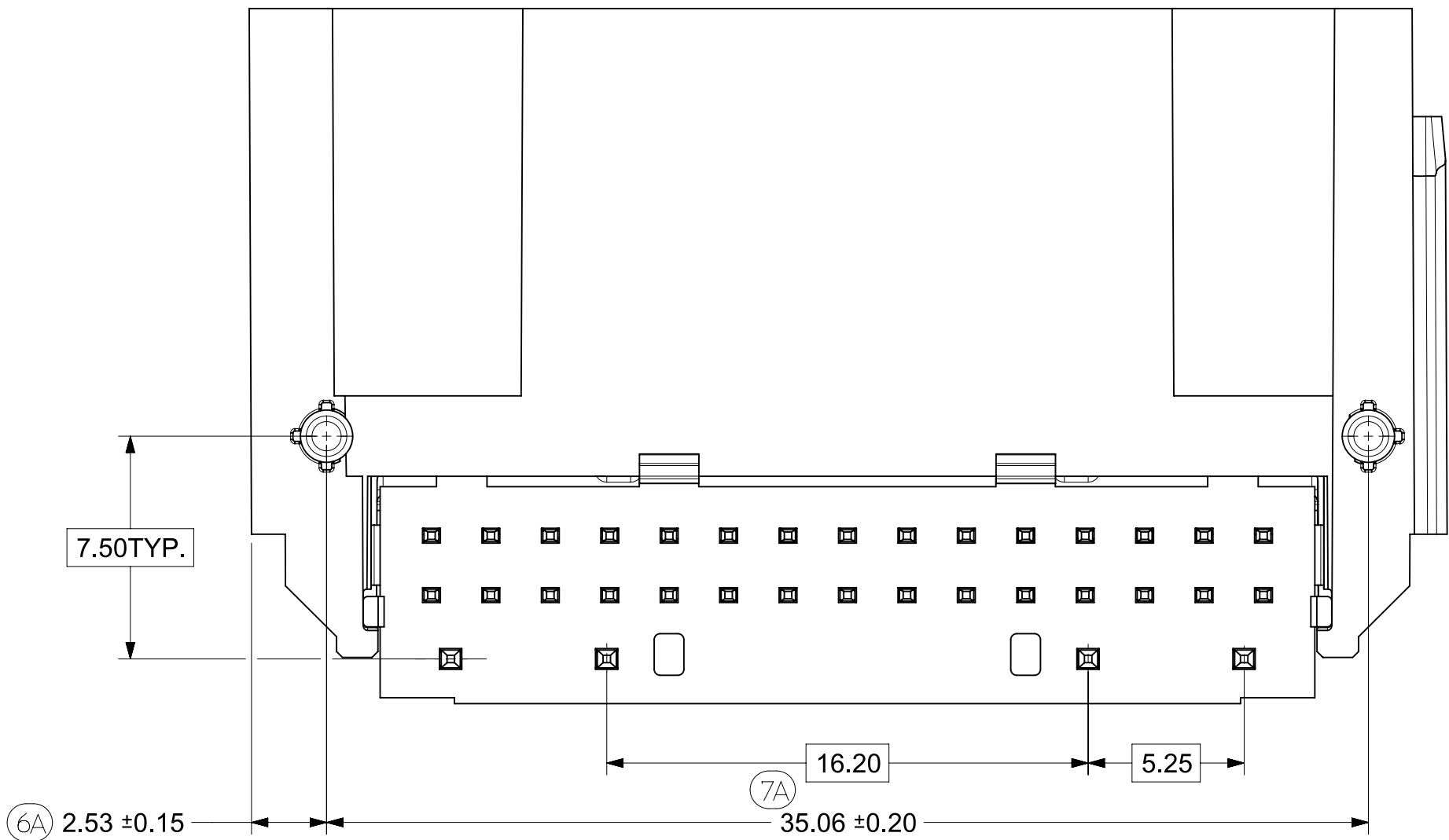
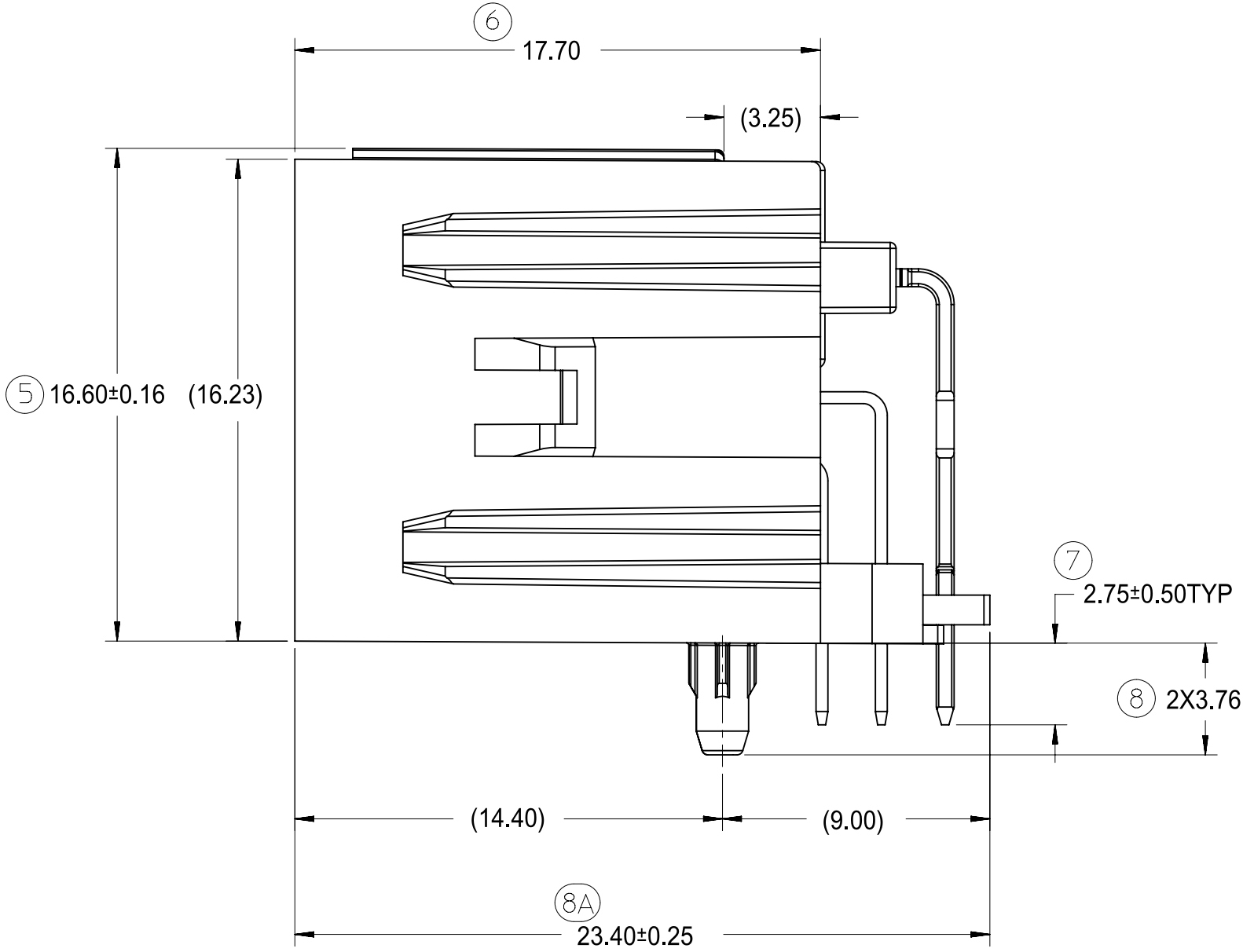
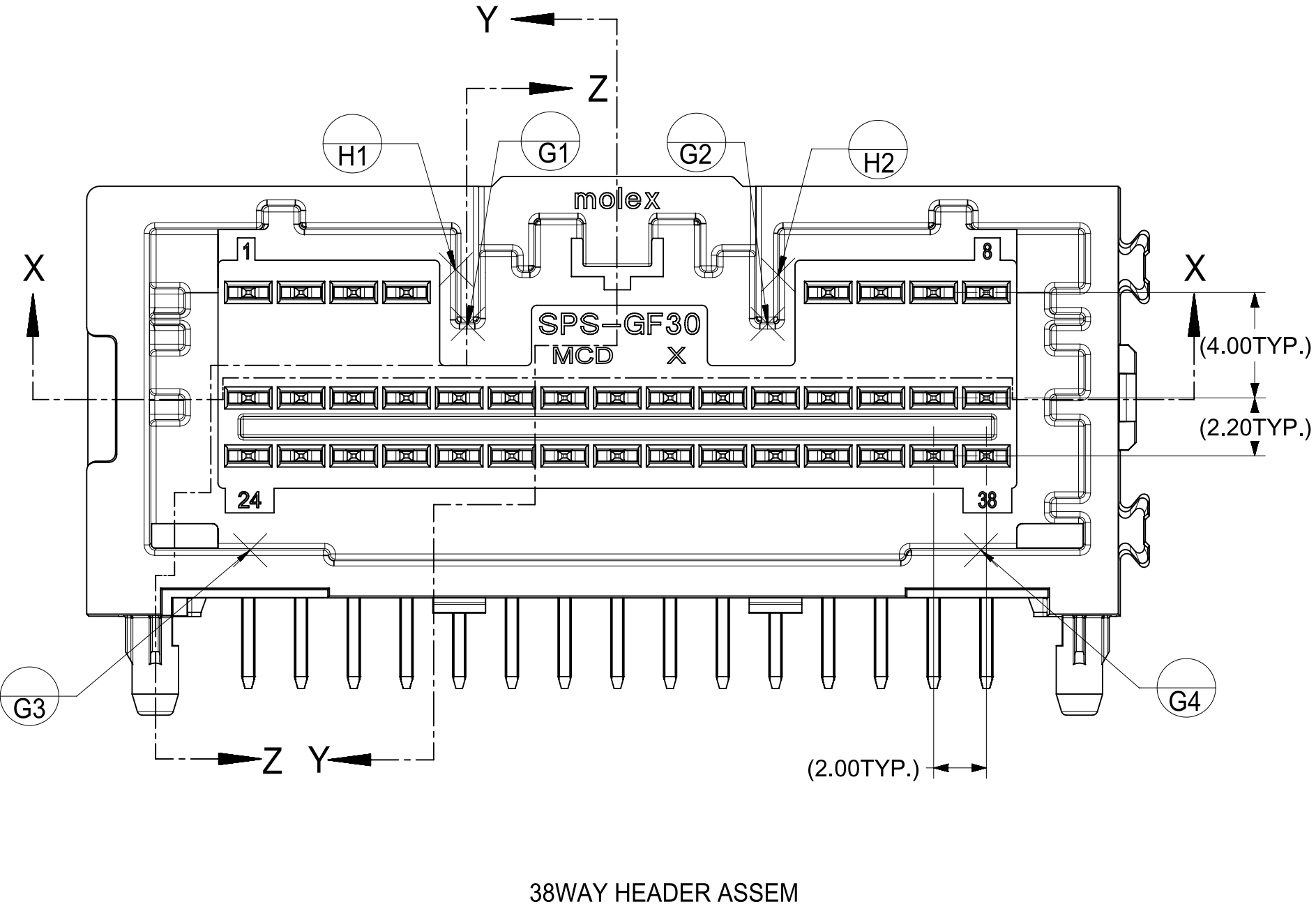
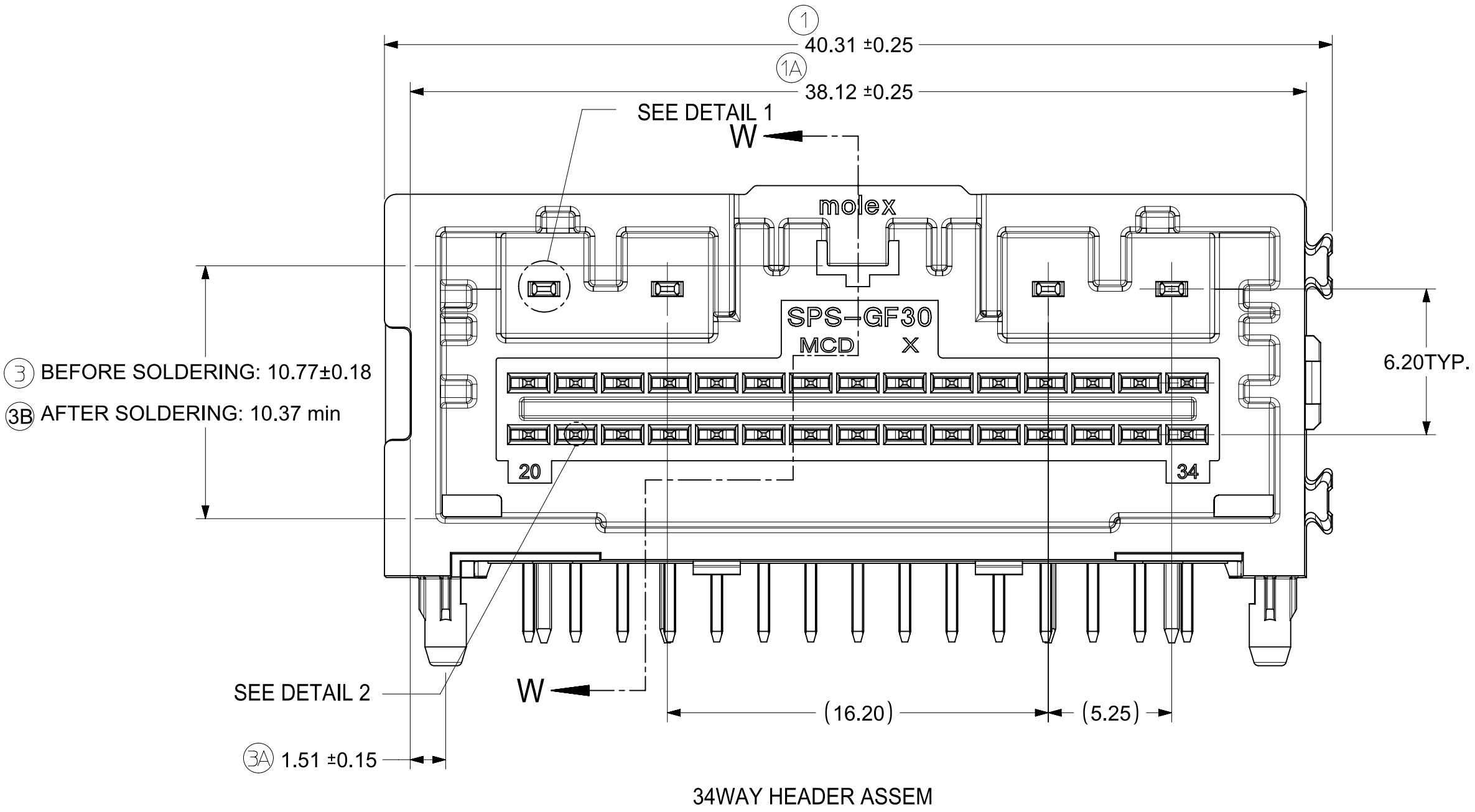
PAP HOLE SHAPE
ROUND



PAP HOLE SHAPE
SQUARE

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

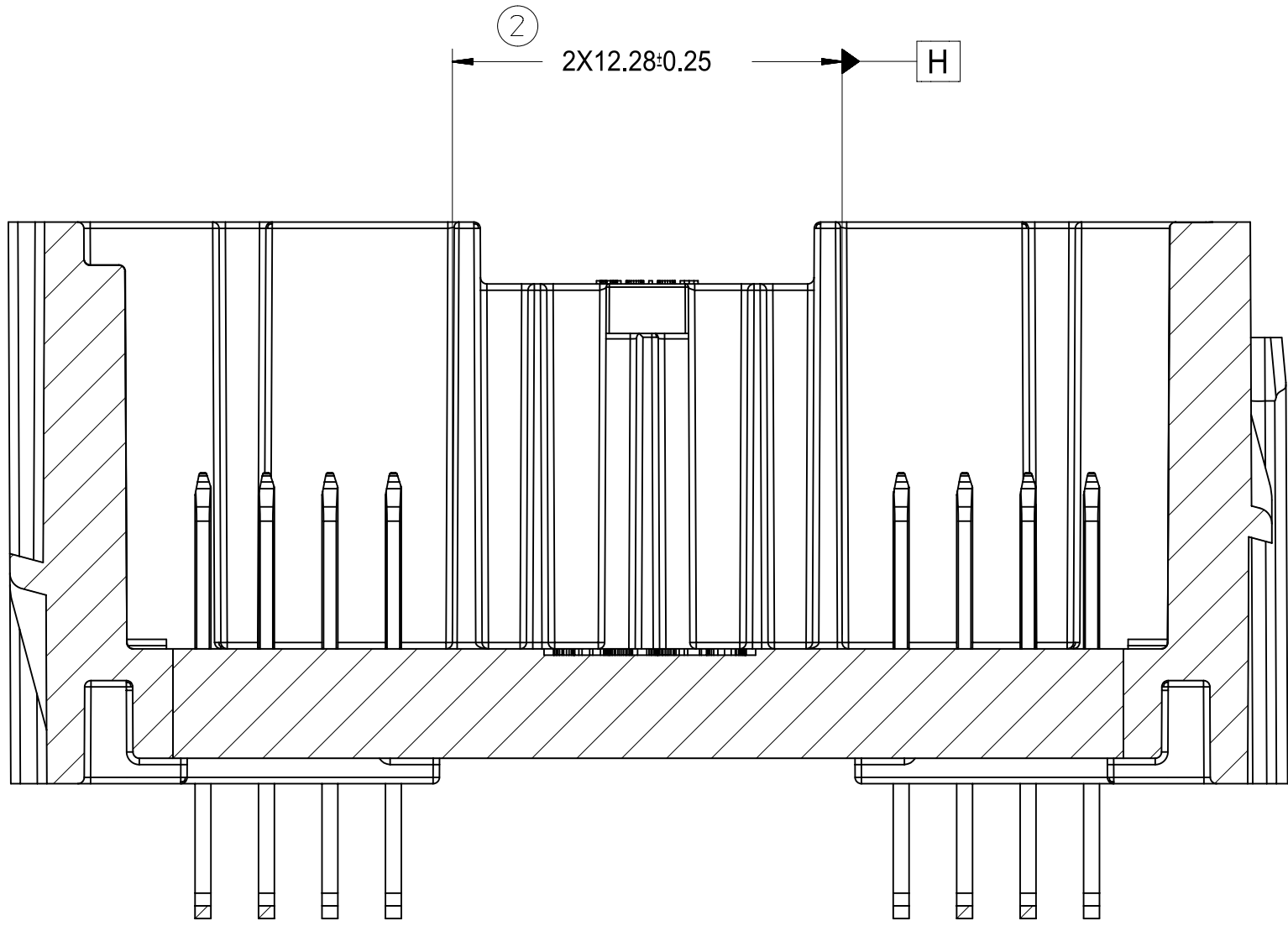
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
4	DETAIL DIMENSION VIEW



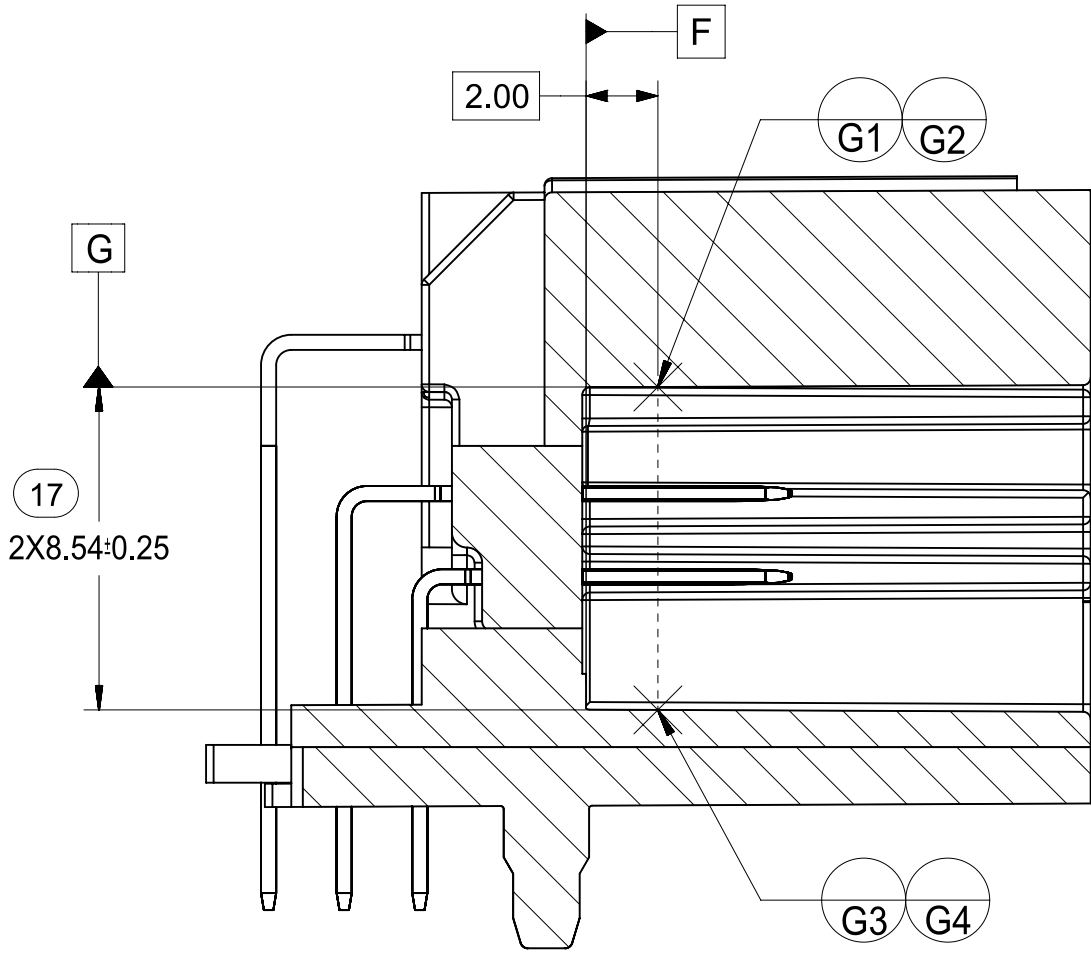
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	DIMENSION UNITS	SCALE				
	mm	5:1				
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
	ANGULAR TOL	± 0.5°				
DIVISIONAL SYMBOLS	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	±				
	1 PLACE	±				
	0 PLACES	±				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
			D-SIZE	34961	SEE TABLE	GENERAL MARKET

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	4 OF 6	

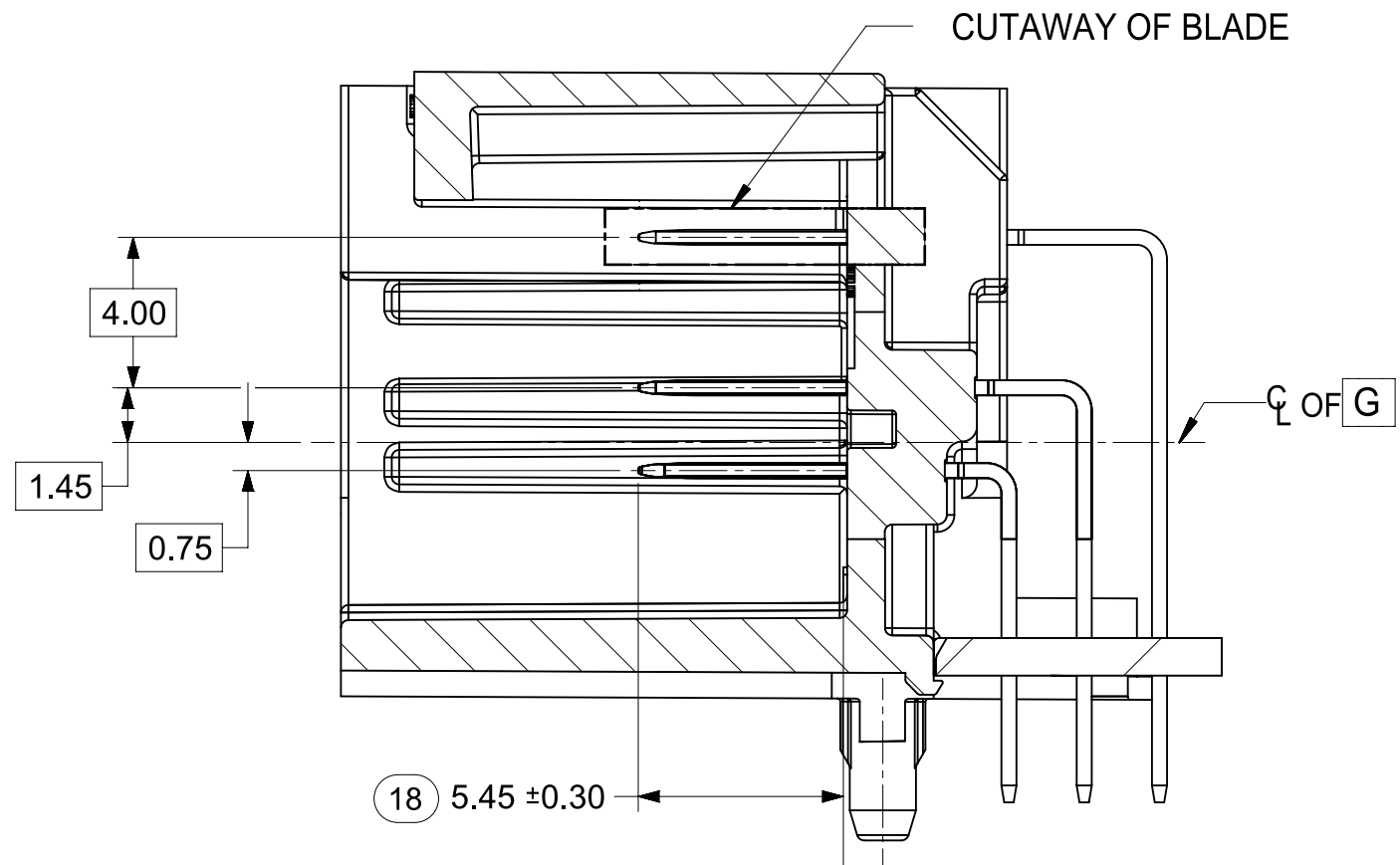
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
5	DETAIL DIMENSION VIEW



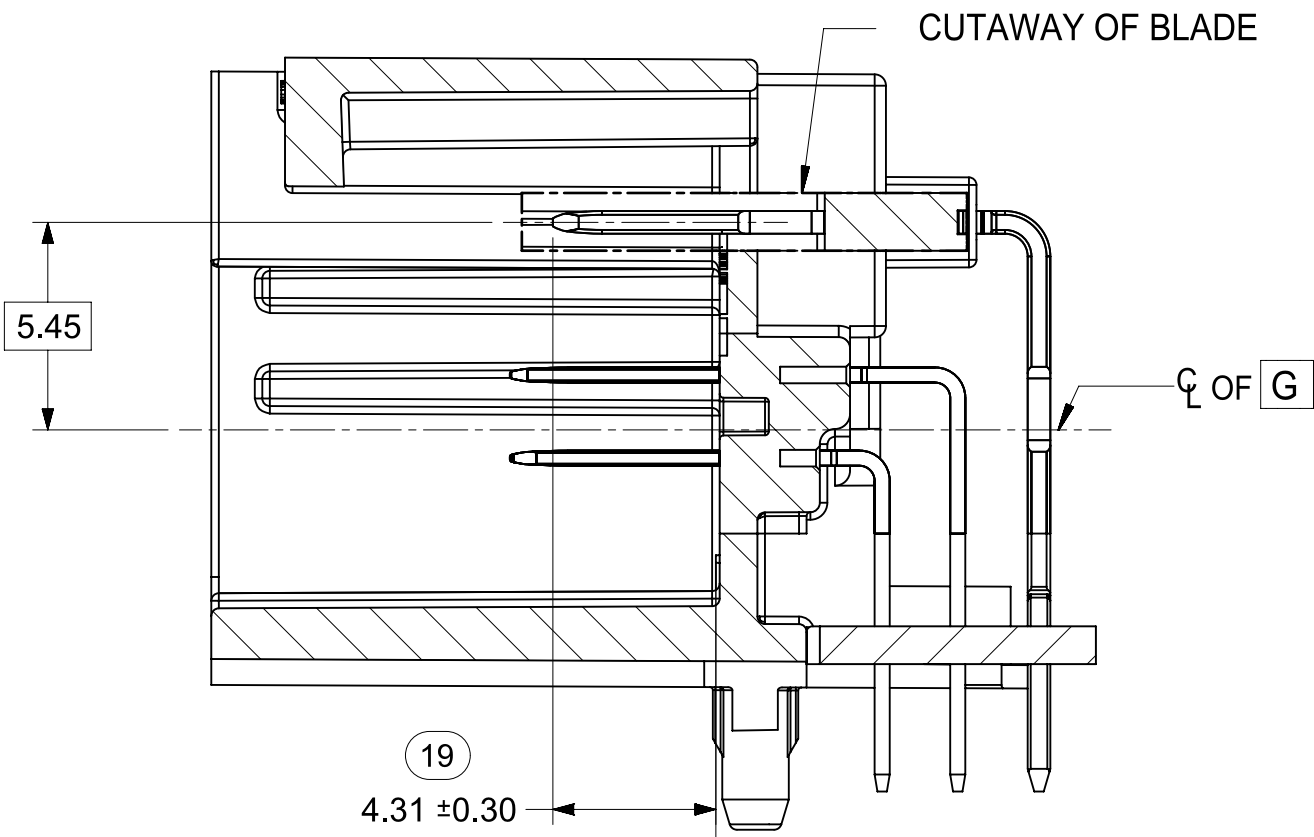
SECTION X-X



SECTION Z-Z

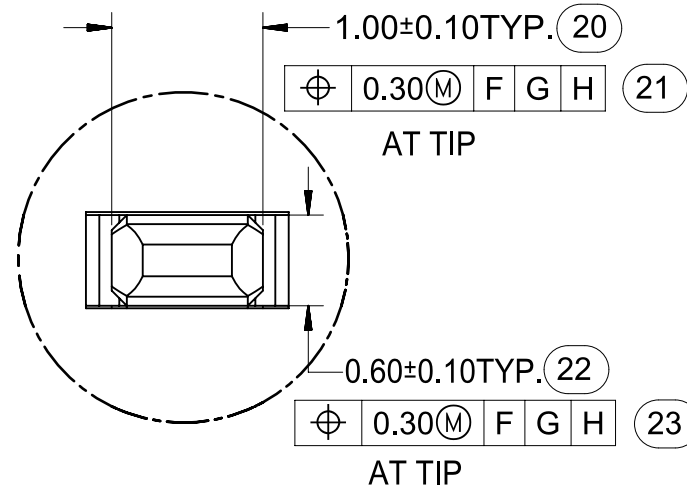


SECTION Y-Y

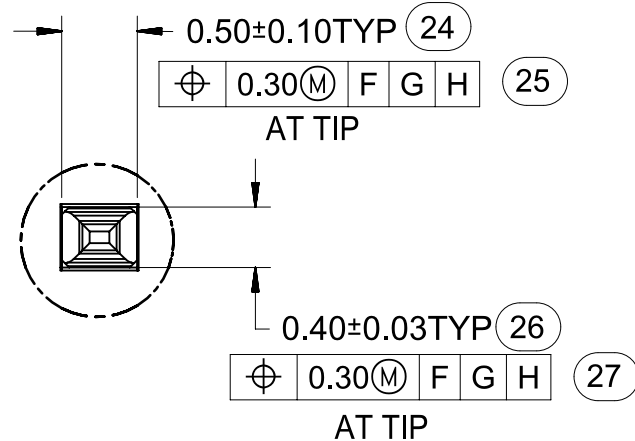


SECTION W-W

MATING SIDE TP:

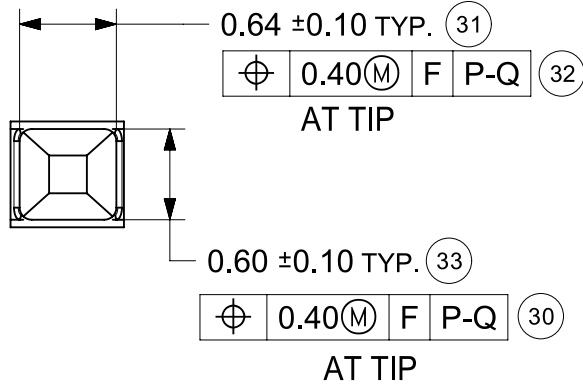


DETAIL 1
SCALE 20:1

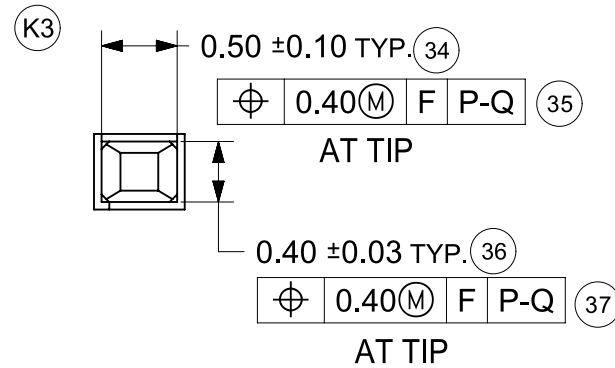


DETAIL 2
SCALE 20:1

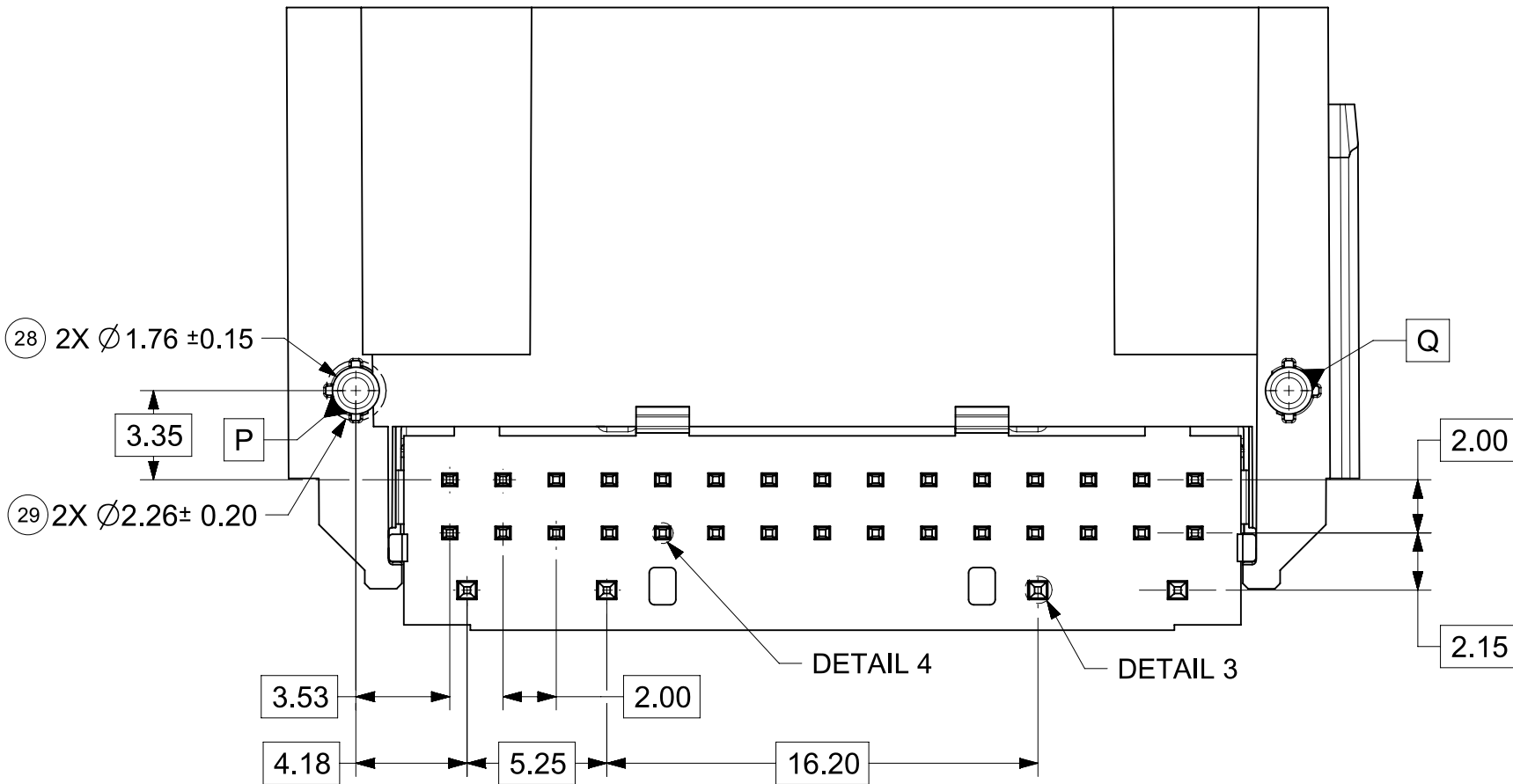
PCB SIDE TP:



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		STATUS: Production DRWN: Gang Li CHK'D: Ringo Hu APPR: Colin Zhang		2024-02-29 2024-02-29 2024-03-04			
DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
D-SIZE		34961		SEE TABLE		GENERAL MARKET		5 OF 6		

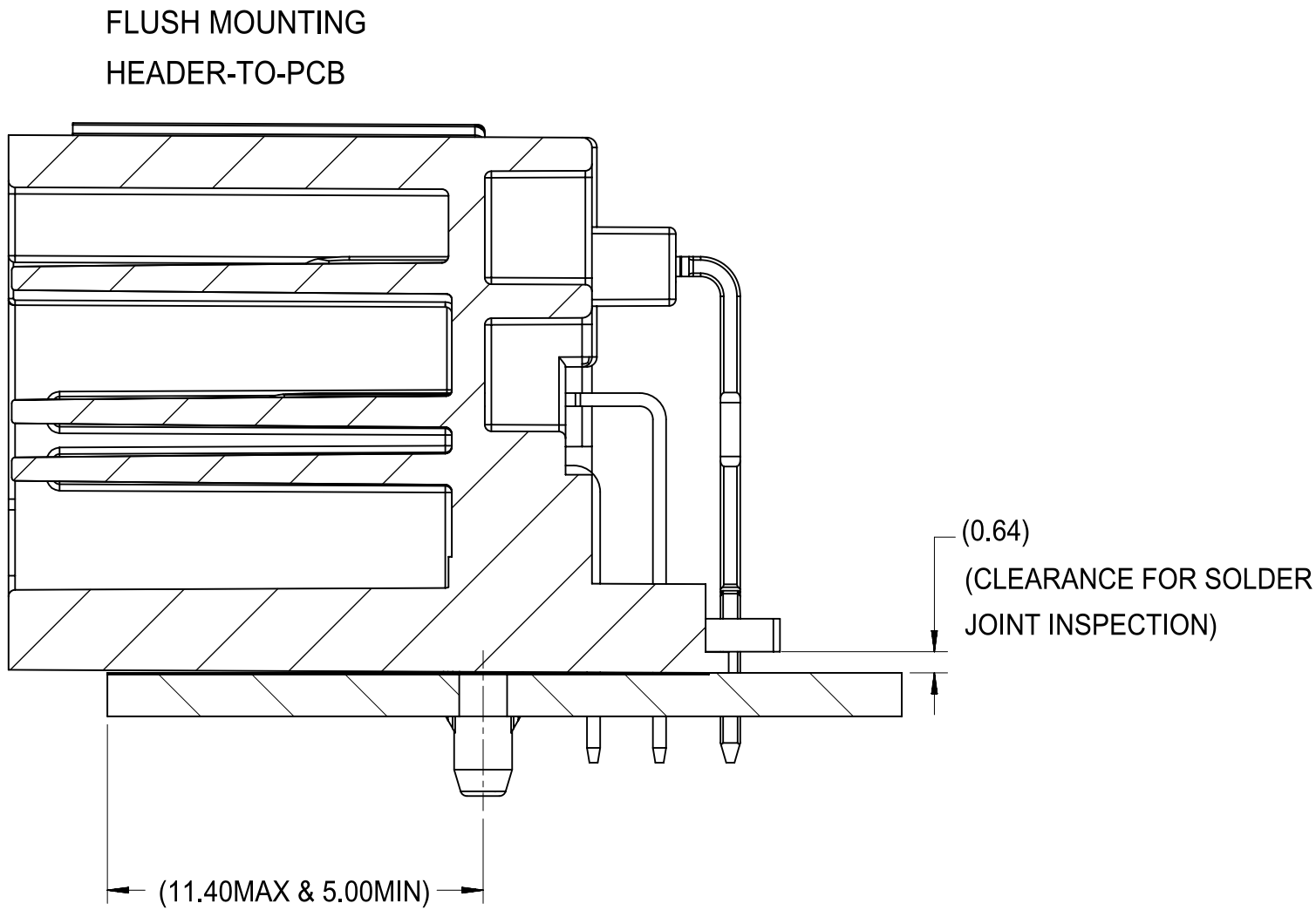
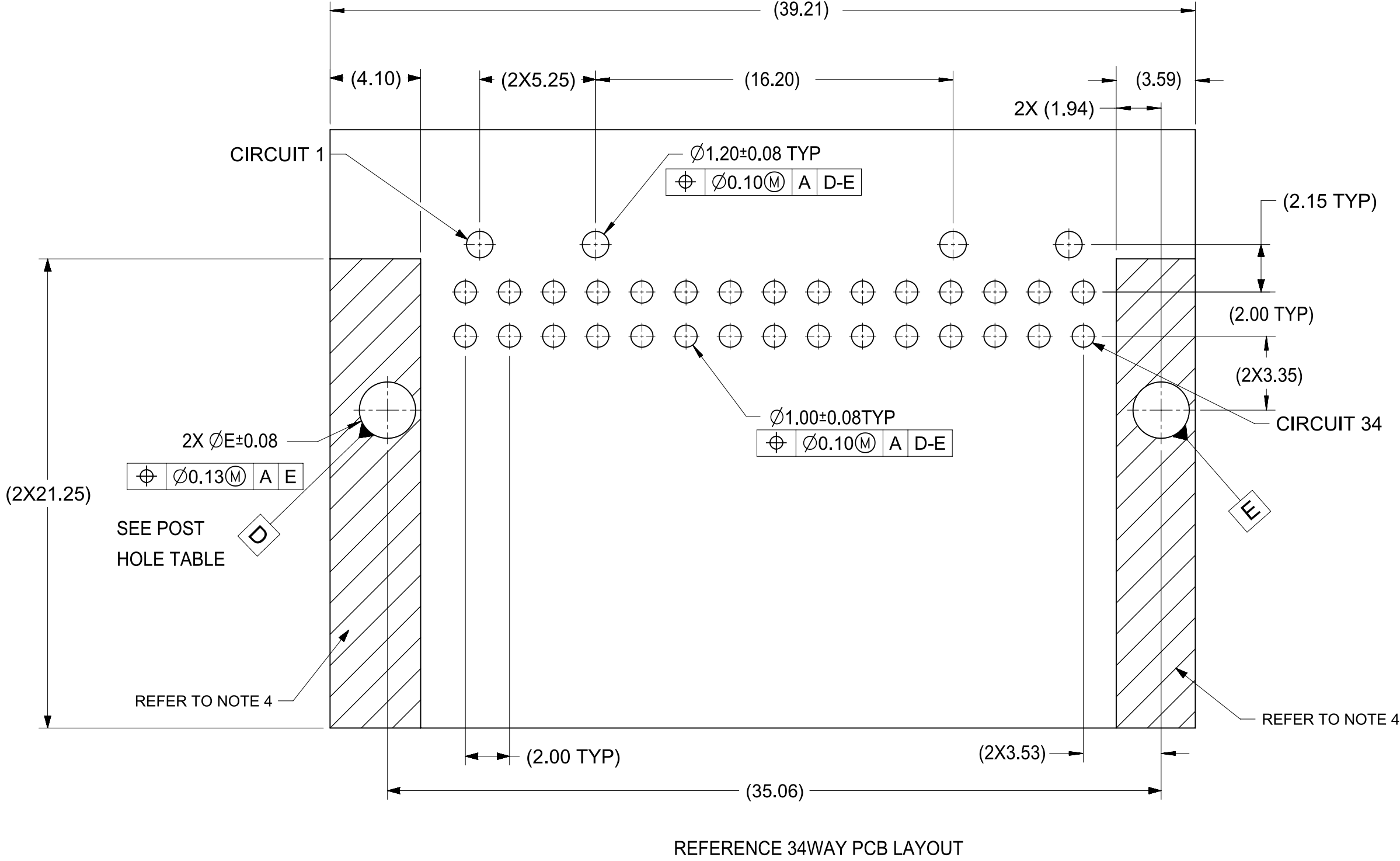
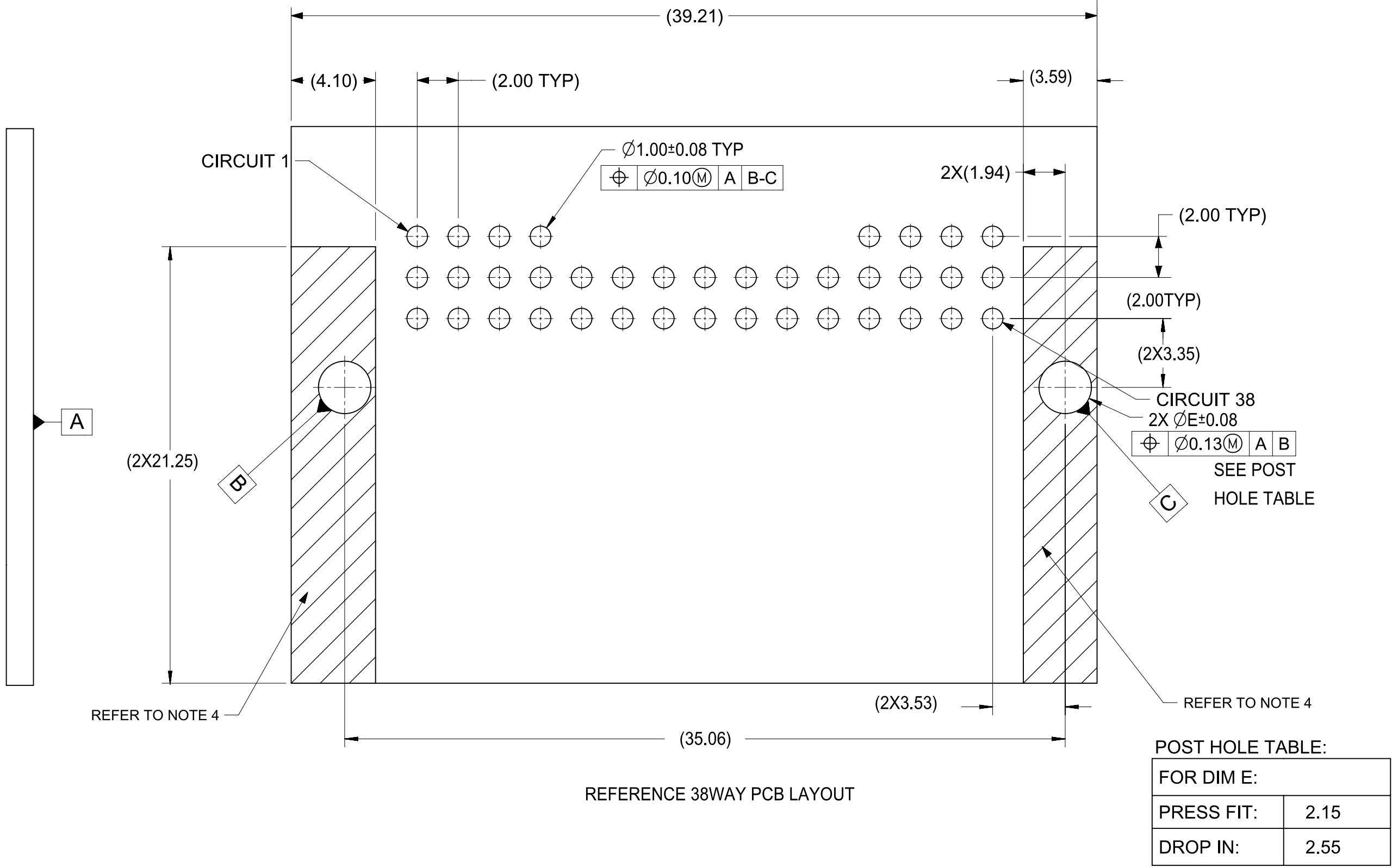
molex

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

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SHEET NO.	SHEET DESCRIPTION
6	REFERENCE PCB LAYOUT



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		CURRENT REV DESC: REFER TO REVISION COLUMN		molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING			
	DIMENSION UNITS	SCALE	STATUS: Production					
	mm	5:1	DRWN: Gang Li		SD-34961-030	PSD	001	K3
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: Ringo Hu		PRODUCT SALES DRAWING			
	ANGULAR TOL ± 0.5°		APPR: Colin Zhang		DRAWING			
4 PLACES ±	3 PLACES ±	2024-02-29		SERIES				
2 PLACES ±	1 PLACE ±	2024-02-29		MATERIAL NUMBER				
0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		2024-03-04		CUSTOMER			
THIRD ANGLE PROJECTION		D-SIZE		34961		GENERAL MARKET		
SEE TABLE		SEE TABLE		SEE TABLE		SHEET NUMBER		
6 OF 6		6 OF 6		6 OF 6		6 OF 6		