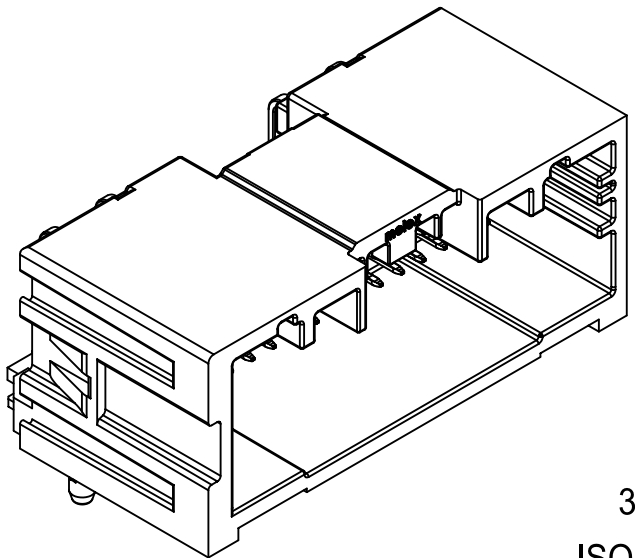
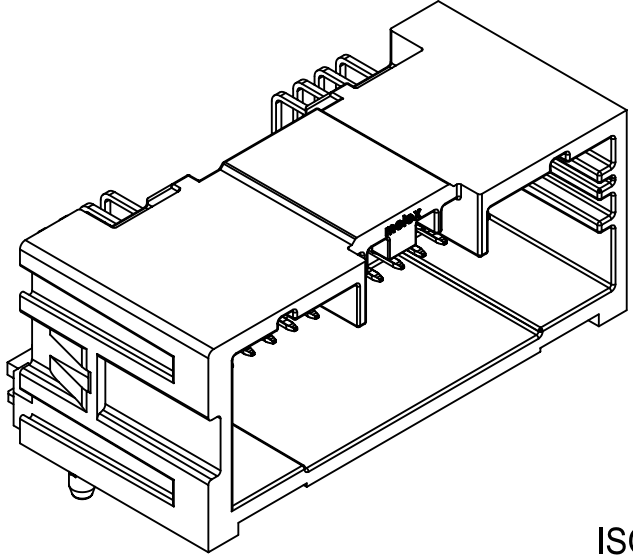
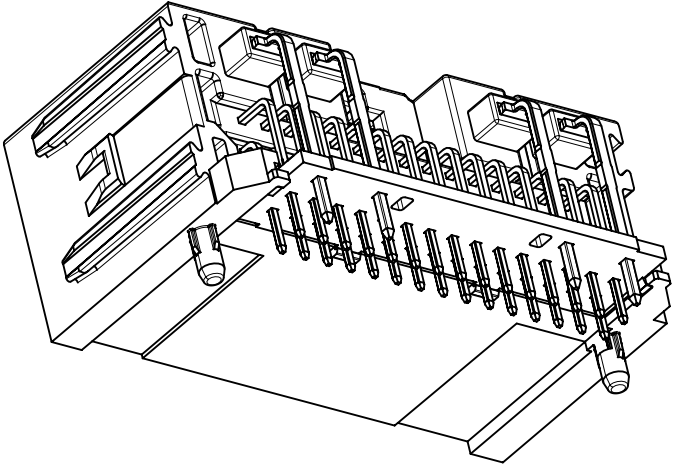


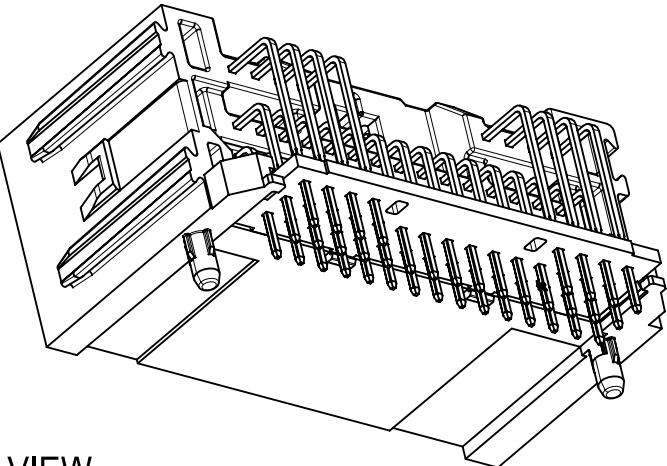
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TABLE OF CONTENTS																				
SHEET NO.	SHEET DESCRIPTION																			
1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW																			
2	34&38CKT POLARIZATION OPTION 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	34961-7340	34961-8340	34	PCB TO MATING	ROUND	HB	A	BLACK	WILL BE OBSOLETED IN 2023
34961-0341	34961-7341	34961-8341	34	PCB TO MATING	ROUND	HB	B	GREY	WILL BE OBSOLETED IN 2023
34961-0342	34961-7342	34961-8342	34	PCB TO MATING	ROUND	HB	C	DK GREY	WILL BE OBSOLETED IN 2023
34961-0380	34961-7380	34961-8380	38	PCB TO MATING	ROUND	HB	A	BLACK	OBSOLETED
34961-0381	34961-7381	34961-8381	38	PCB TO MATING	ROUND	HB	B	GREY	OBSOLETED
34961-0382	34961-7382	34961-8382	38	PCB TO MATING	ROUND	HB	C	DK GREY	OBSOLETED
34961-0383	34961-7383	34961-8383	38	PCB TO MATING	ROUND	HB	UPDATED A	BLACK	WILL BE OBSOLETED IN 2023
34961-0384	34961-7384	34961-8384	38	PCB TO MATING	ROUND	HB	UPDATED B	GREY	WILL BE OBSOLETED IN 2023
34961-0385	34961-7385	34961-8385	38	PCB TO MATING	ROUND	HB	UPDATED C	DK GREY	WILL BE OBSOLETED IN 2023
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
2133550340	2133557340	2133558340	34	PCB TO MATING	ROUND	V0	A	BLACK	WILL BE OBSOLETED IN 2023
2133550341	2133557341	2133558341	34	PCB TO MATING	ROUND	V0	B	GREY	WILL BE OBSOLETED IN 2023
2133550342	2133557342	2133558342	34	PCB TO MATING	ROUND	V0	C	DK GREY	WILL BE OBSOLETED IN 2023
2133550380	2133557380	2133558380	38	PCB TO MATING	ROUND	V0	UPDATED A	BLACK	WILL BE OBSOLETED IN 2023
2133550381	2133557381	2133558381	38	PCB TO MATING	ROUND	V0	UPDATED B	GREY	WILL BE OBSOLETED IN 2023
2133550382	2133557382	2133558382	38	PCB TO MATING	ROUND	V0	UPDATED C	DK GREY	WILL BE OBSOLETED IN 2023
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

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

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

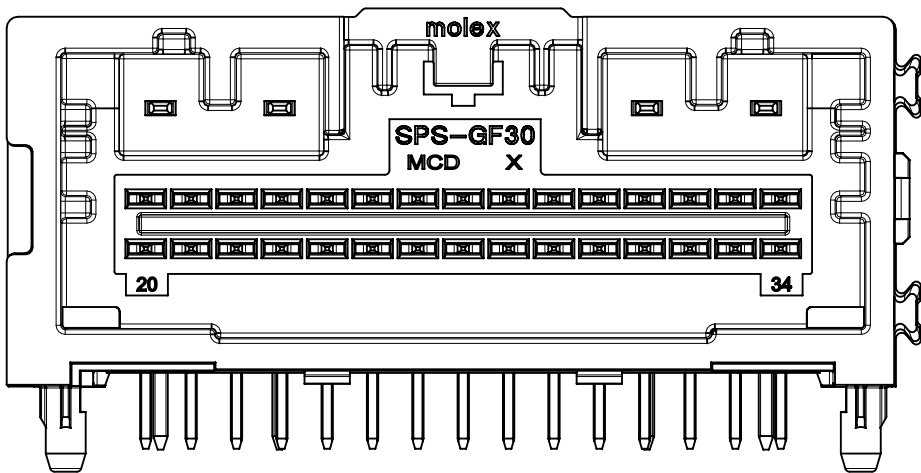
K	SHEET 5: ADDED DIM28 TO DIM37 ALL SHEET: UPDATED PRODUCT VIEWS	CO-000000686
J6	CREATED NEW REVISION TO UPLOAD DRAWING IN MDS SYSTEM	CO-000000910
J5	SHEET 1: ADDED NEW PART NUMBER IN TABLE SHEET 1: ADDED NOTE 4 SHEET 3: ADDED SHEET TO SHOW PIN INSERTION DIRECTION VIEW AND PAP HOLE SHAPE VIEW	CO-000000910
J4	SHEET 3: UPDATED BALLOON NUMBER	668374
J3	1. SHEET 1: UPDATED NOTES INFORMATION 2. SHEET 3: ADDED "BEFORE SOLDERING" NOTE TO DIM 3 3. SHEET 3: ADDED DIM 3A	663659
J2	1. SHEET 1: UPDATED NOTES INFORMATION 2. SHEET 1: UPDATED V0 PRODUCT STATUS 3. SHEET 4: DIM 3: 10.77±0.18 WAS 10.77(+0.13/-0.08) 4. SHEET 5: REMOVED BALLOON NUMBER FOR DIMENSION OF PCB LAYOUT	658910
J1	1. UPDATED BELOW PART NUMBER STATUS TO OBSOLETED: 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 SPECAIFICATION 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
REV	REV DESCRIPTION	ECN SAP NO.

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: K
LAST BALLOON NUMBER USED: 37
ADDED BALLOON NUMBERS: 28-37
REMOVED BALLOON NUMBERS:

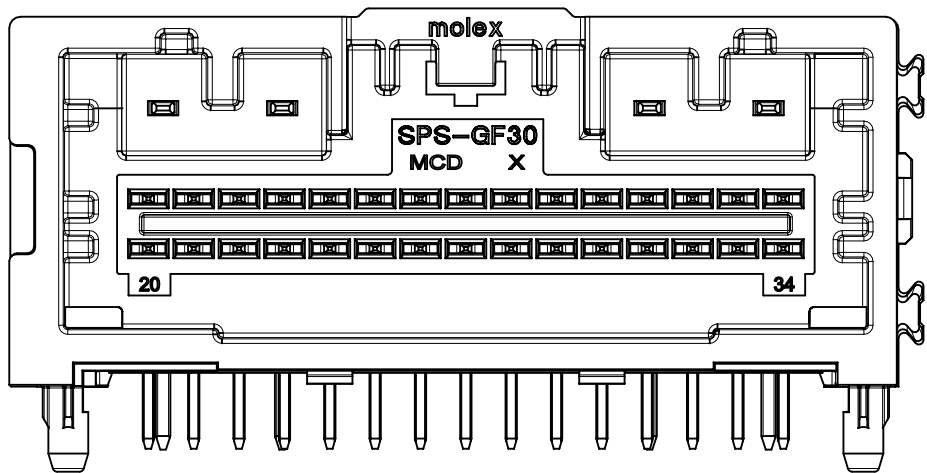
DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE															
		OVER UP TO	0	1	3	6	10	15	22	30	40	53	70	90	120	160	
PRECISION	A		±0.10	±0.12	±0.14	±0.16	±0.20	±0.22	±0.24	±0.26	±0.28	±0.31	±0.35	±0.40	±0.50		
ENGINEERING	B		±0.05	±0.06	±0.07	±0.08	±0.10	±0.12	±0.14	±0.16	±0.18	±0.21	±0.25	±0.30	±0.40		
A: FOR NON-MOLD RELATED DIMENSIONS (ACROSS PARTING LINE)																	
B: FOR MOLD RELATED DIMENSIONS (WITHIN MOLD COMPONENTS)																	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																														
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 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		PHASE: Design Production CO NO: CO-000000686 DRWN: Shanks Wu 2022-09-14 CHK'D: Ringo Hu 2022-09-27 APPR: Colin Zhang 2022-09-29 INITIAL REVISION: DRWN: Shanks Wu 2022-04-25 APPR: Colin Zhang 2022-05-05																									
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5°																													
	4 PLACES		±		PRODUCT SALES DRAWING DOCUMENT NUMBER SD-34961-030 DOC TYPE PSD DOC PART 001 REVISION K																									
	3 PLACES		±																											
	2 PLACES		±																											
	1 PLACE		±																											
	0 PLACES		±		MATERIAL NUMBER					CUSTOMER					SHEET NUMBER															
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION					DRAWING					SERIES					GENERAL MARKET					1 OF 6				
											D-SIZE					34961														

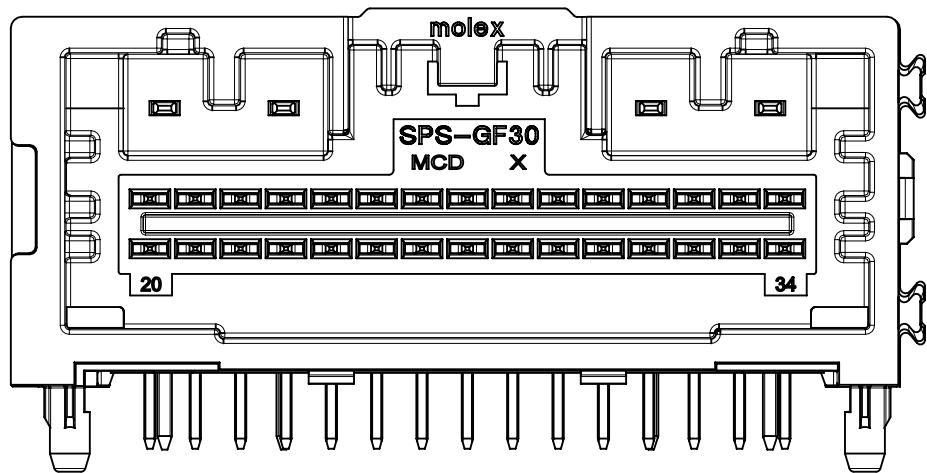
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SHEET NO.	SHEET DESCRIPTION		
2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW		



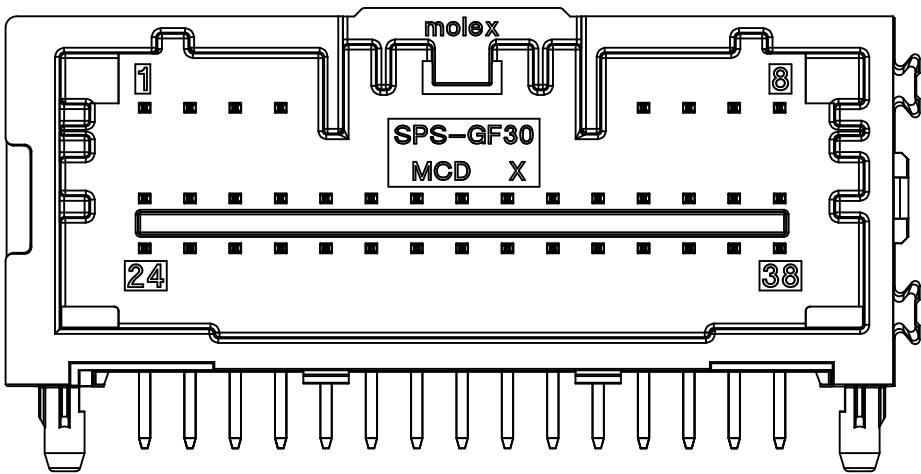
34CKT POLARIZATION OPTION A



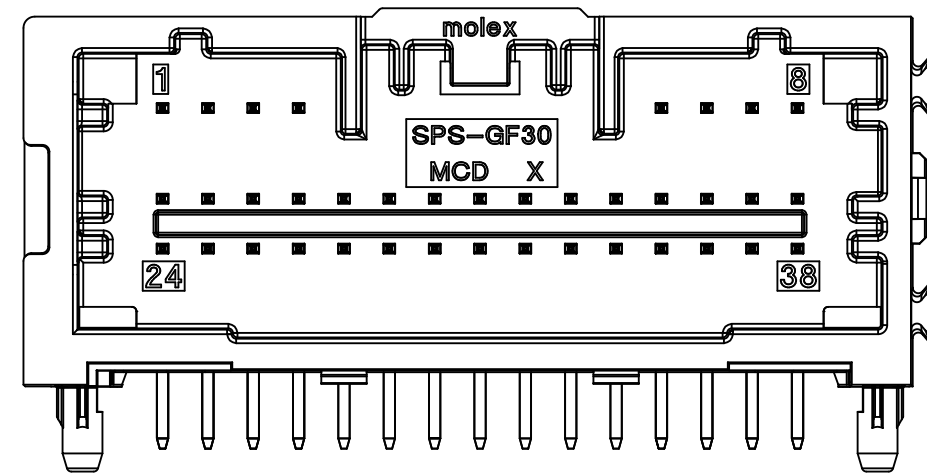
34CKT POLARIZATION OPTION B



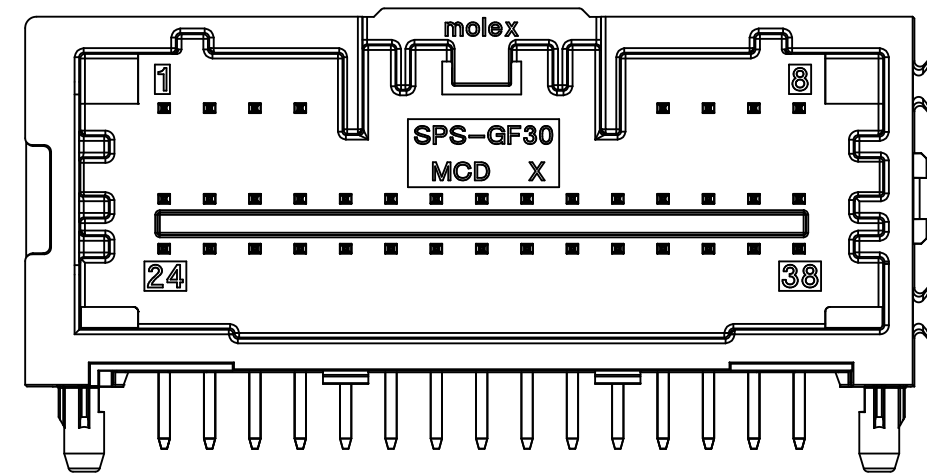
34CKT POLARIZATION OPTION C



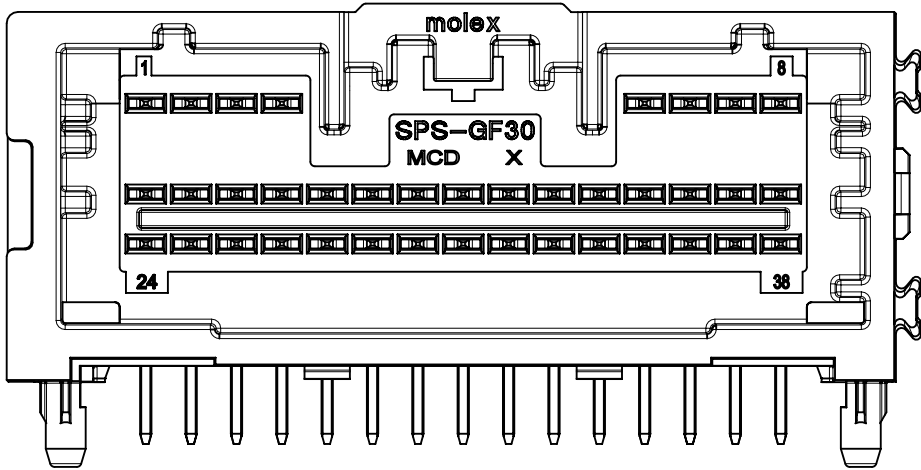
38CKT POLARIZATION OPTION A (OBSOLETE)



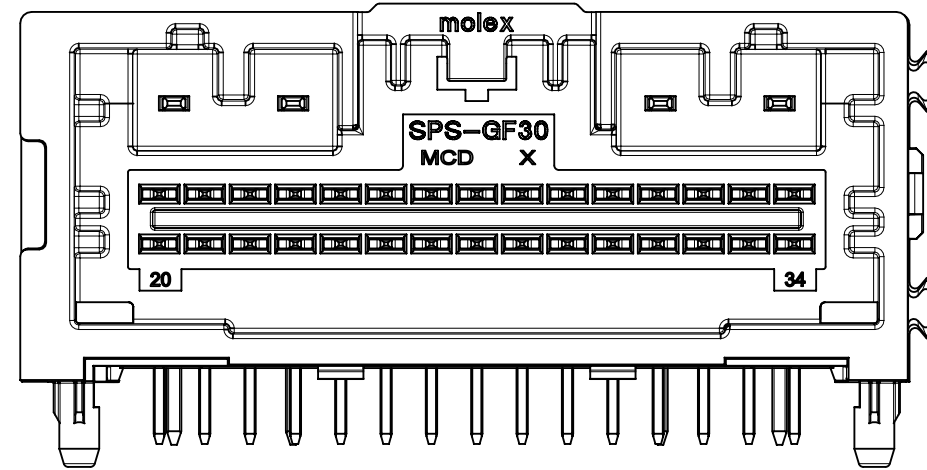
38CKT POLARIZATION OPTION B (OBSOLETE)



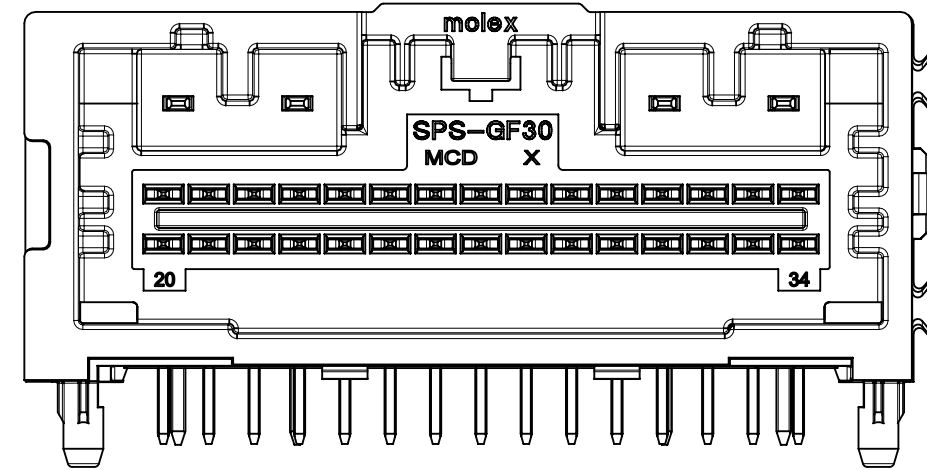
38CKT POLARIZATION OPTION C (OBSOLETE)



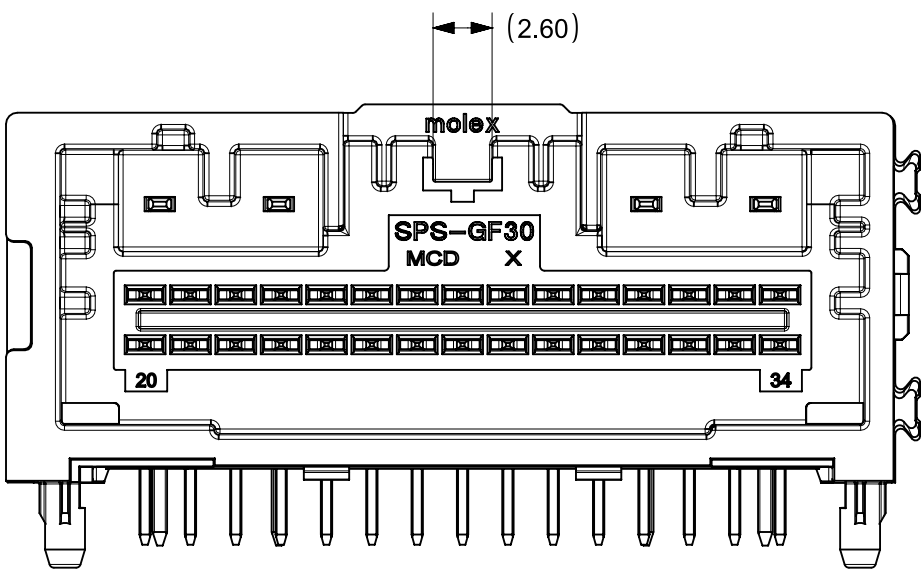
38CKT POLARIZATION OPTION UPDATED A



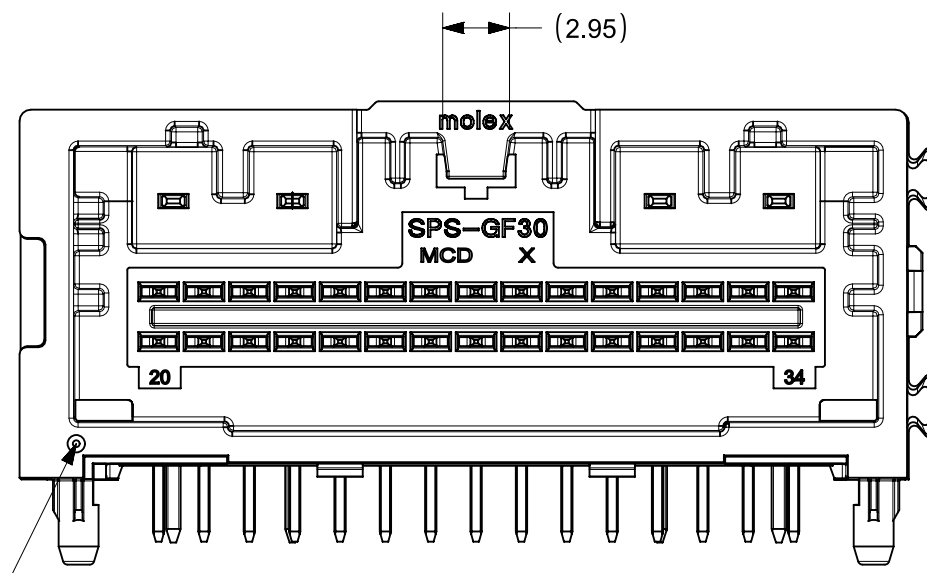
38CKT POLARIZATION OPTION UPDATED B



38CKT POLARIZATION OPTION UPDATED C



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

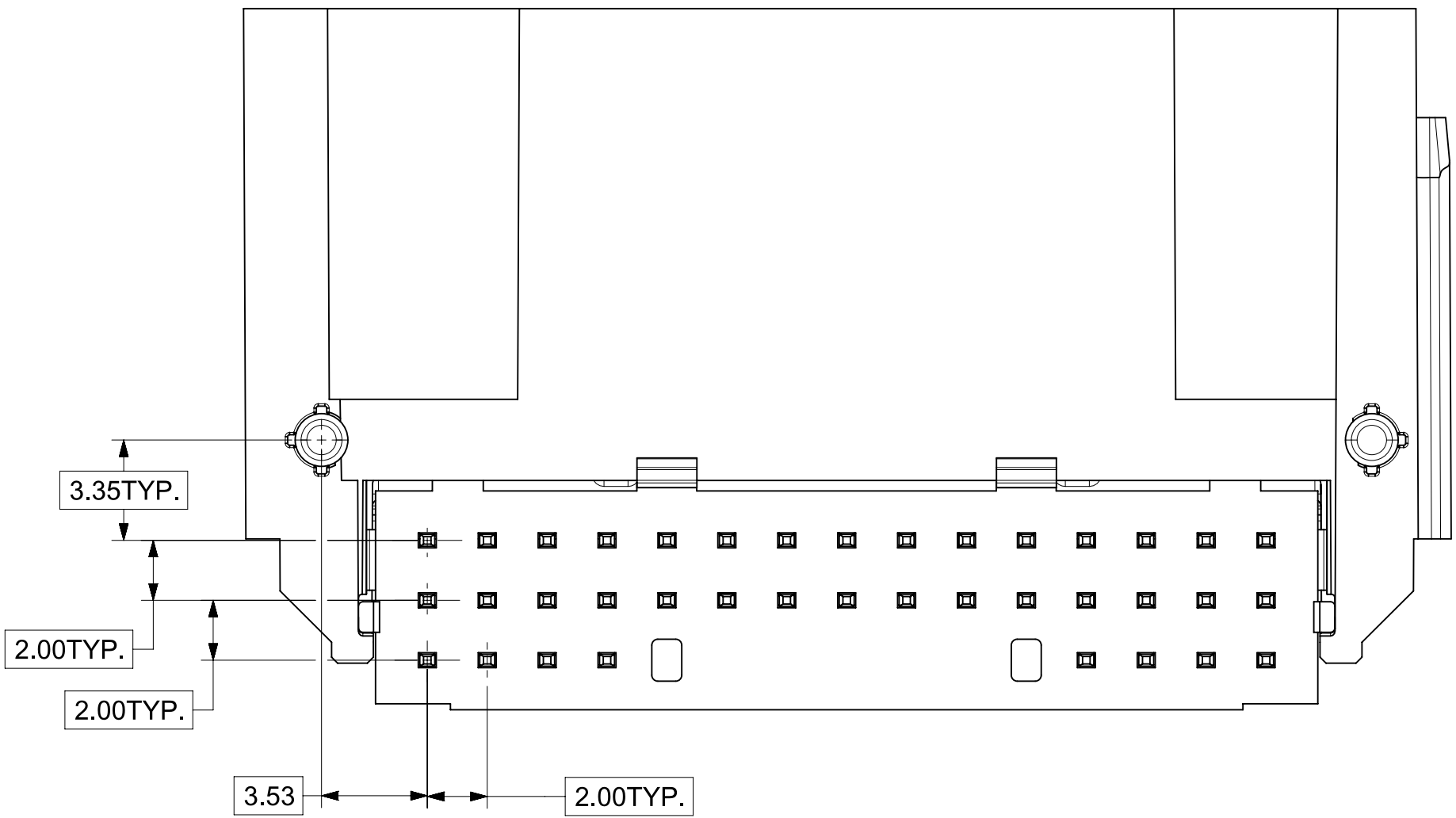
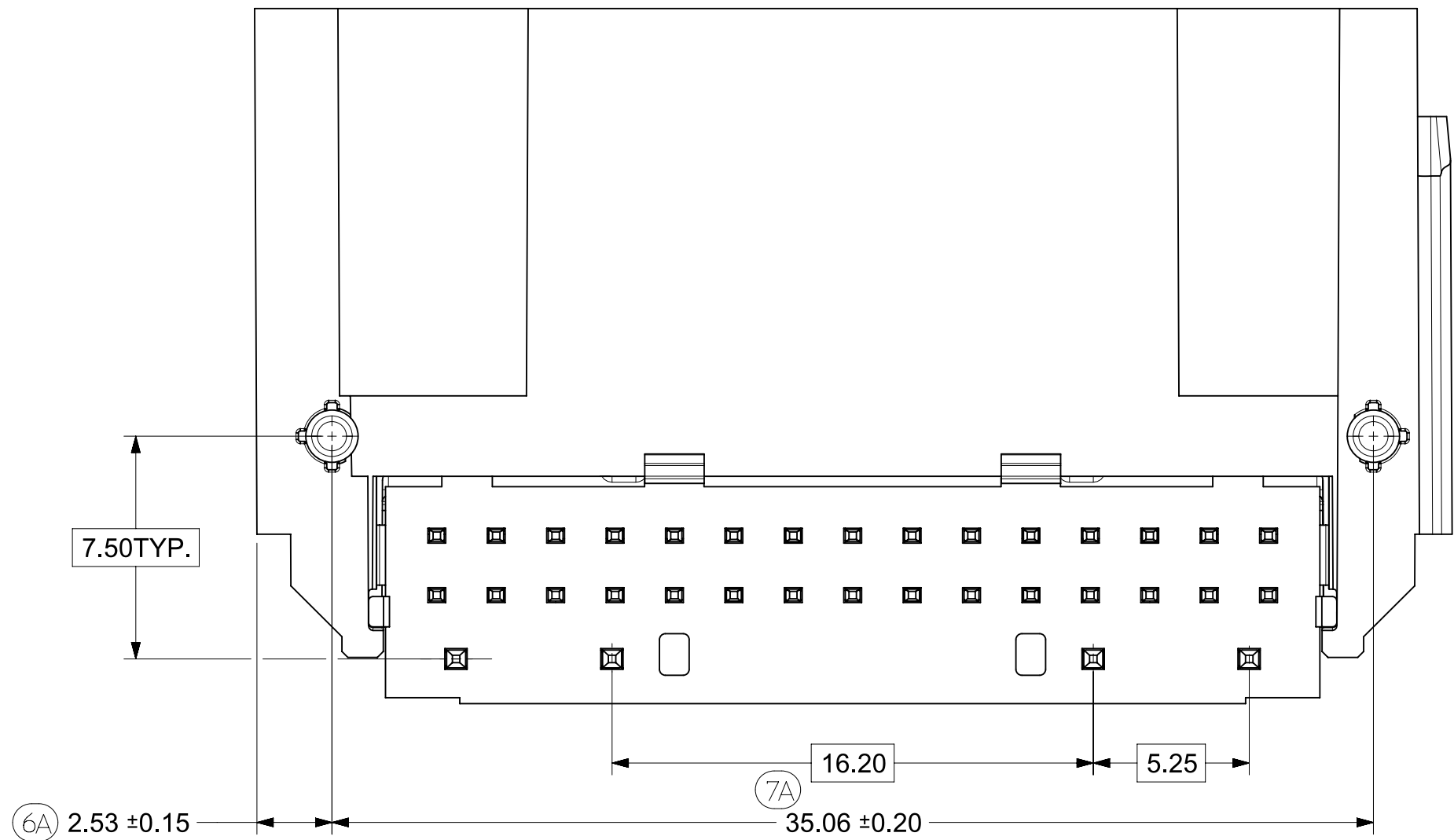
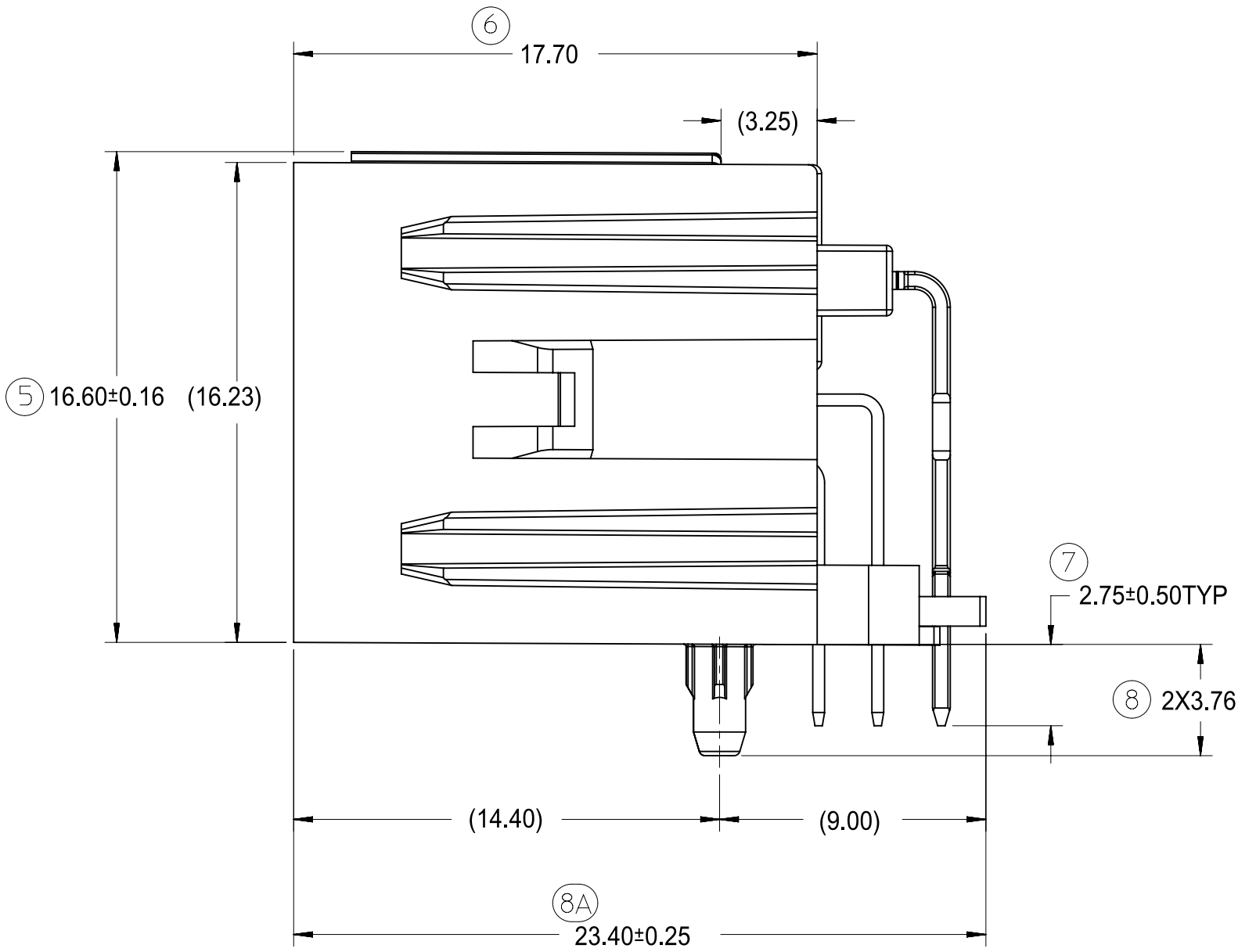
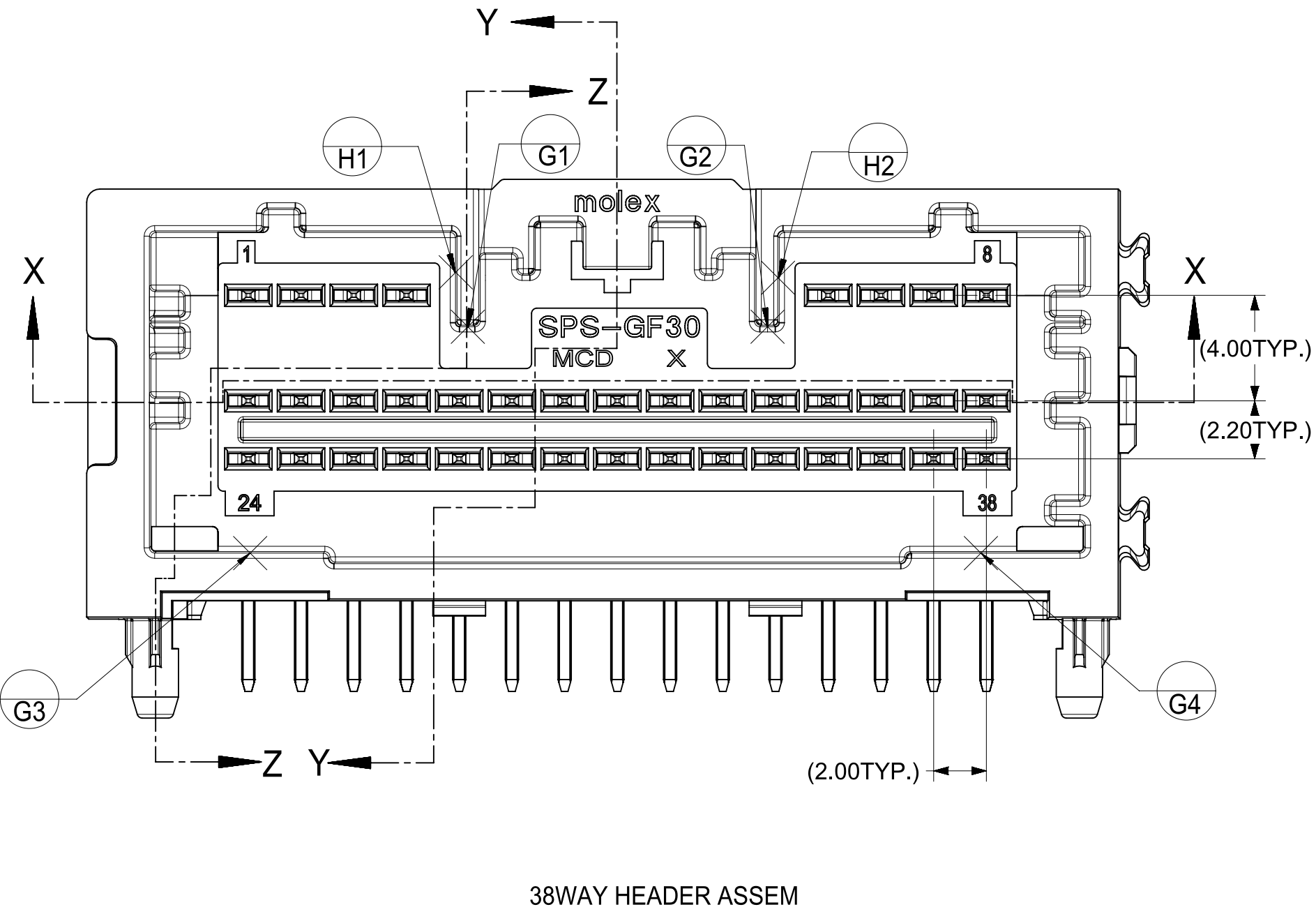
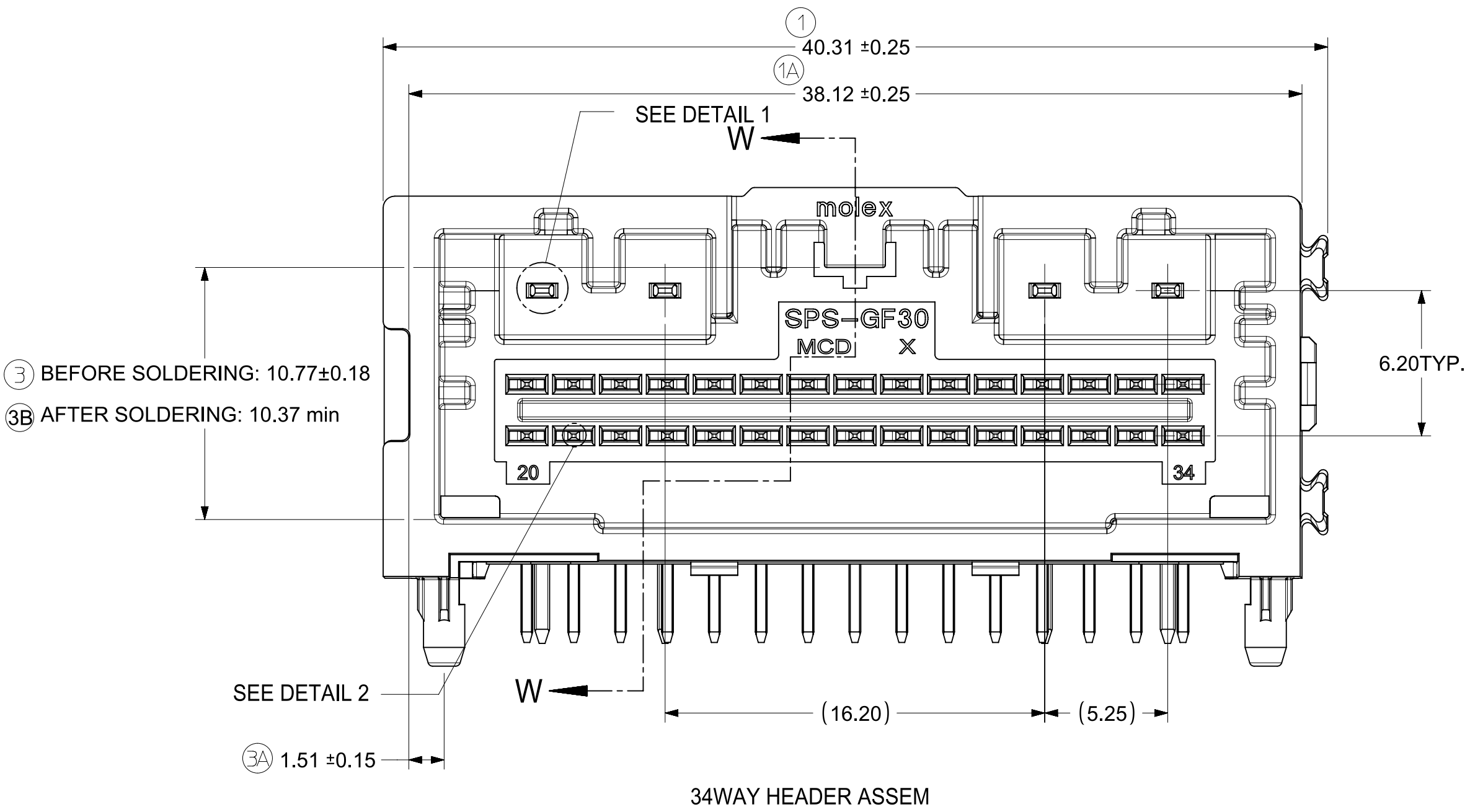


HOLE FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART

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

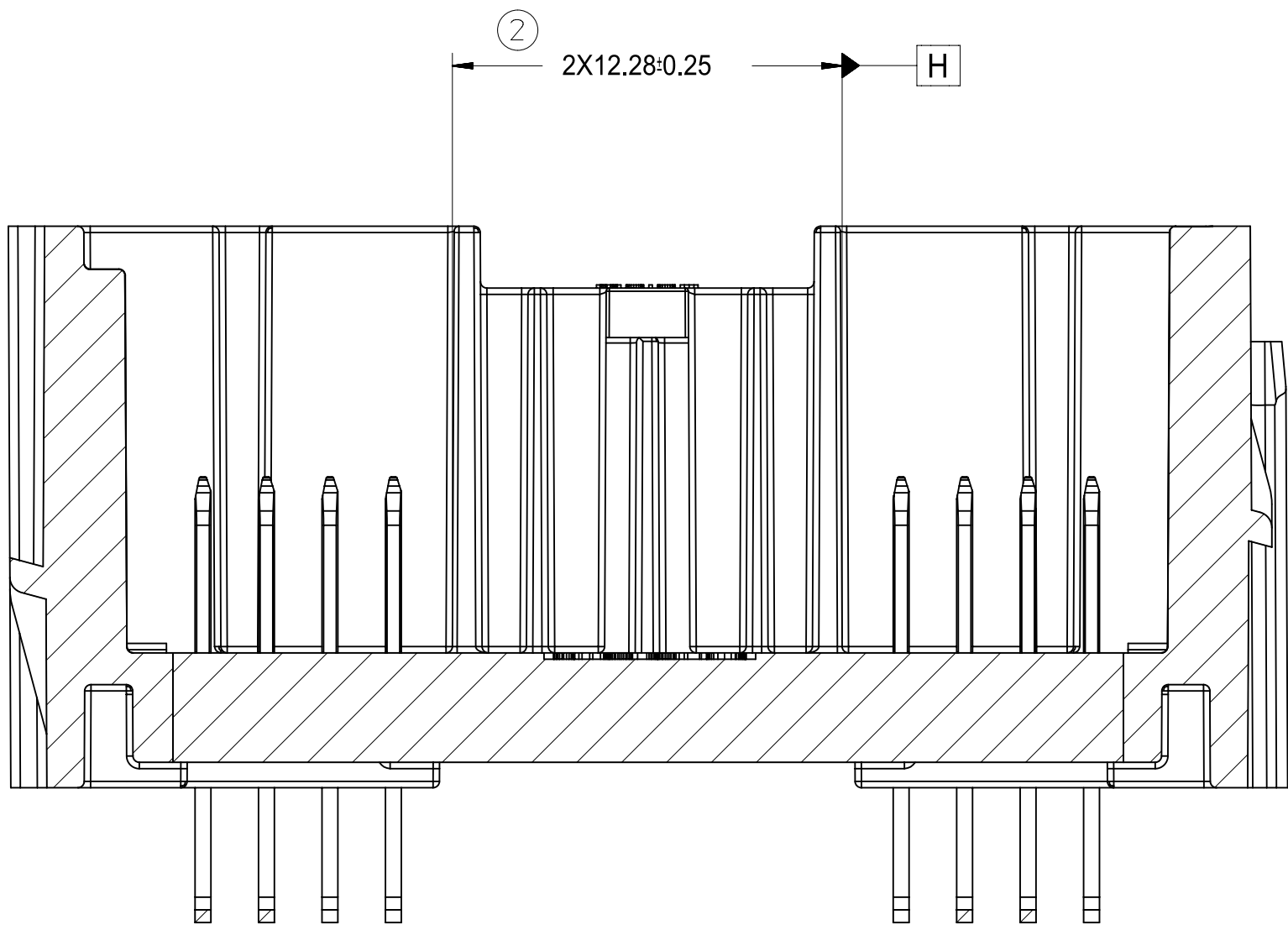
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
FUNCTIONAL SYMBOLS DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN			molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING							
		mm		3:1												
		GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: Design Production CO NO: CO-000000686 DRWN: Shanks Wu2022-09-14 CHK'D: Ringo Hu2022-09-27 APPR: Colin Zhang2022-09-29							PRODUCT SALES DRAWING			
		ANGULAR TOL ± 0.5°														
		4 PLACES		±		INITIAL REVISION: DRWN: Shanks Wu2022-04-25 APPR: Colin Zhang2022-05-05			DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		3 PLACES		±					SD-34961-030		PSD		001		K	
		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				GENERAL MARKET		2 OF 6		

	19	18	17
M	TABLE OF CONTENTS		
	SHEET NO.	SHEET DESCRIPTION	
	4	DETAIL DIMENSION VIEW	

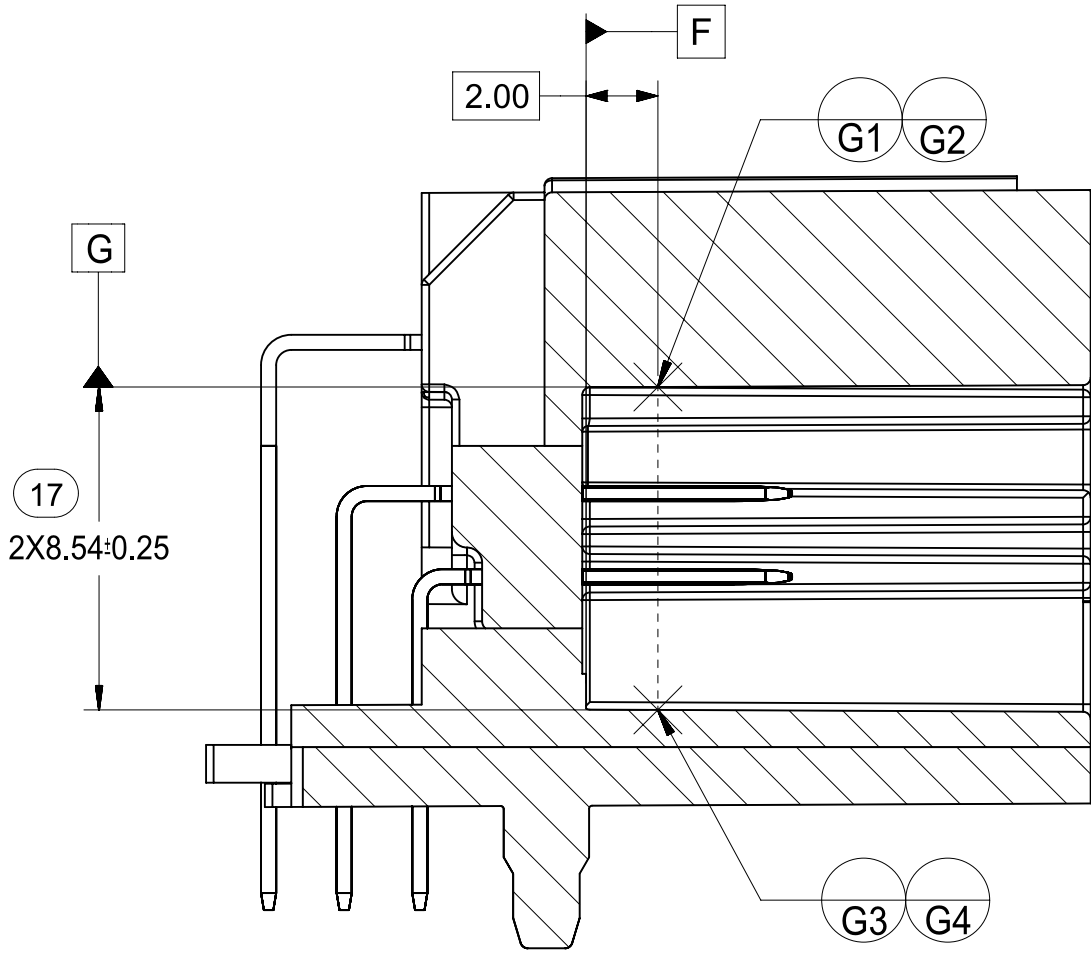


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= 0		mm		5:1									
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)											
= 0		ANGULAR TOL		± 0.5°		PHASE: Design Production							
DIVISIONAL SYMBOLS		4 PLACES		±		CO NO: CO-000000686							
		3 PLACES		±		DRWN: Shanks Wu 2022-09-14							
		3 PLACES		±		CHK'D: Ringo Hu 2022-09-27							
		2 PLACES		±		APPR: Colin Zhang 2022-09-29							
		1 PLACE		±		INITIAL REVISION:							
		0 PLACES		±		DRWN: Shanks Wu 2022-04-25							
						APPR: Colin Zhang 2022-05-05							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES			
										D-SIZE 34961			
						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						SD-34961-030		PSD		001		K	
						MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
								GENERAL MARKET		4 OF 6			

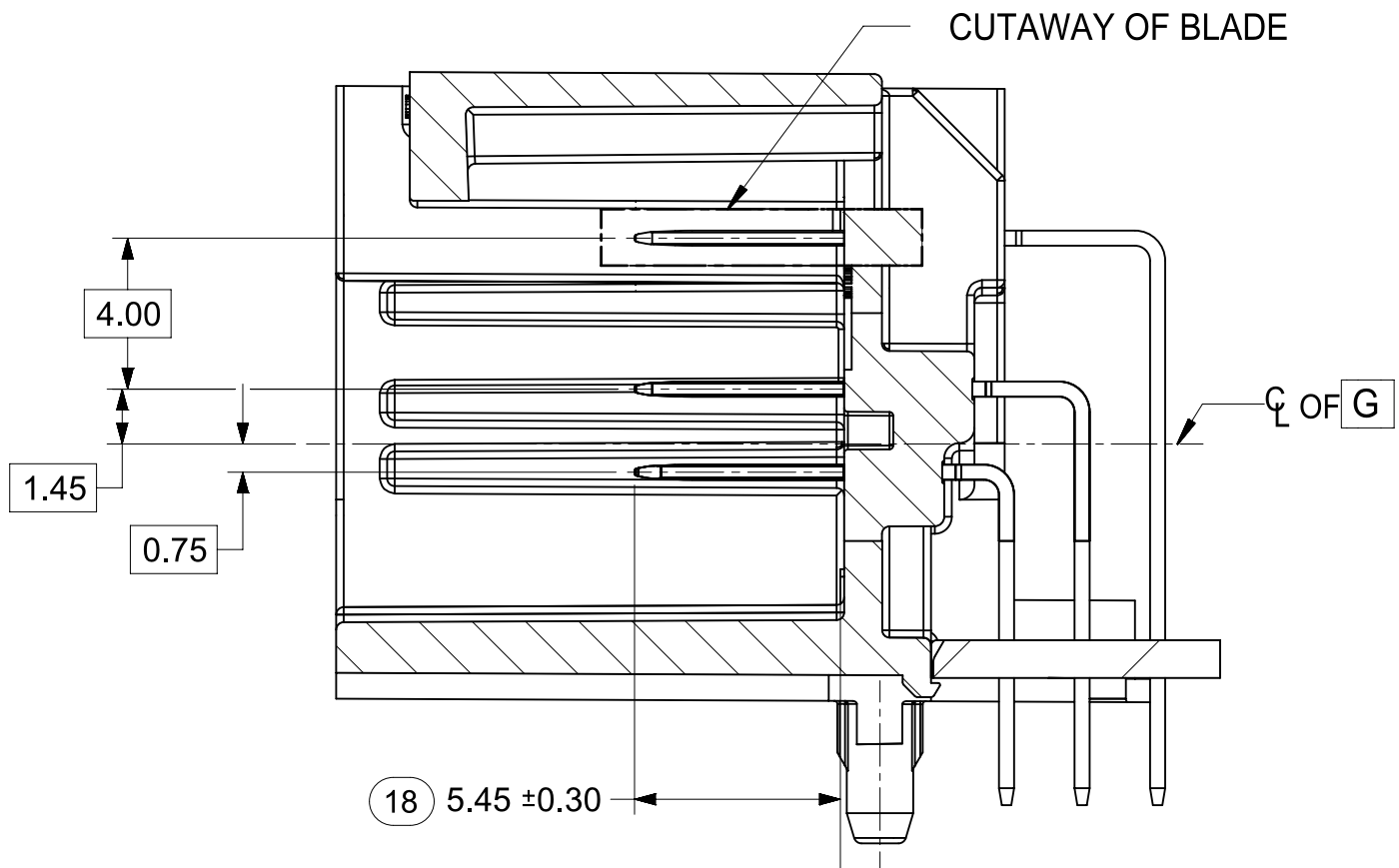
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SHEET NO.	SHEET DESCRIPTION
5	DETAIL DIMENSION VIEW



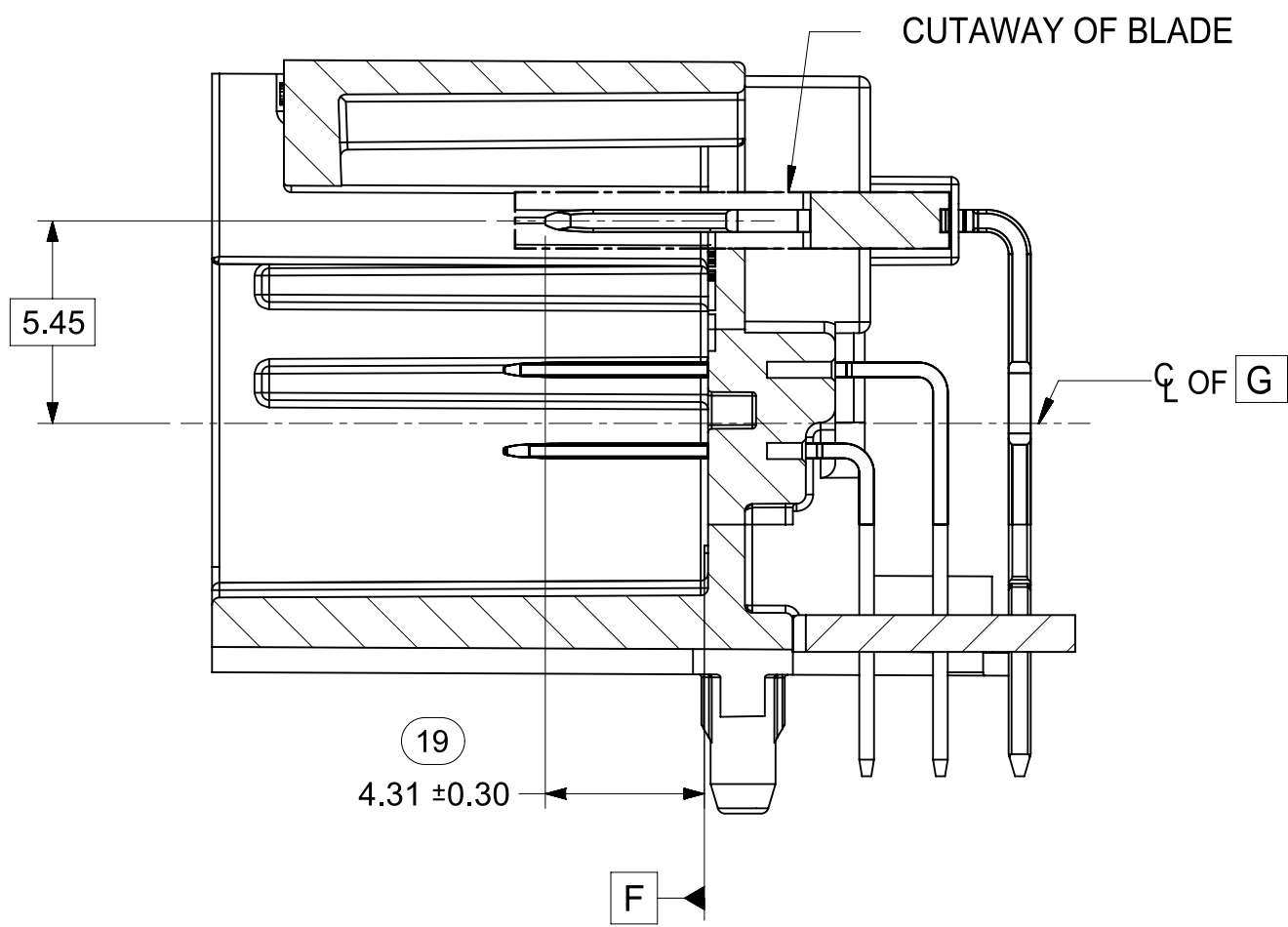
SECTION X-X



SECTION Z-Z

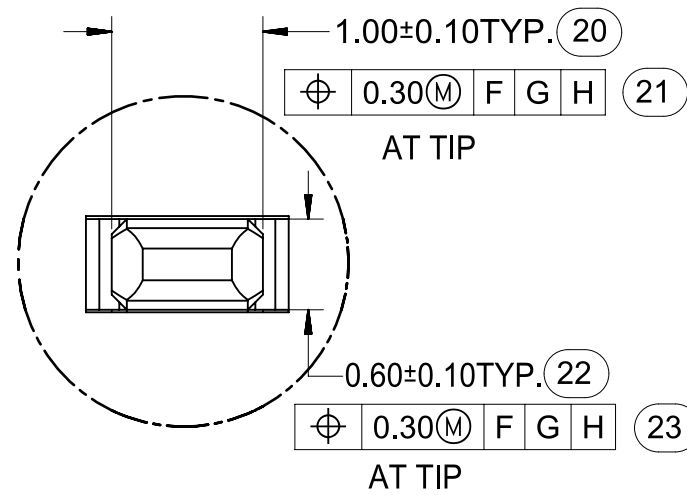


SECTION Y-Y

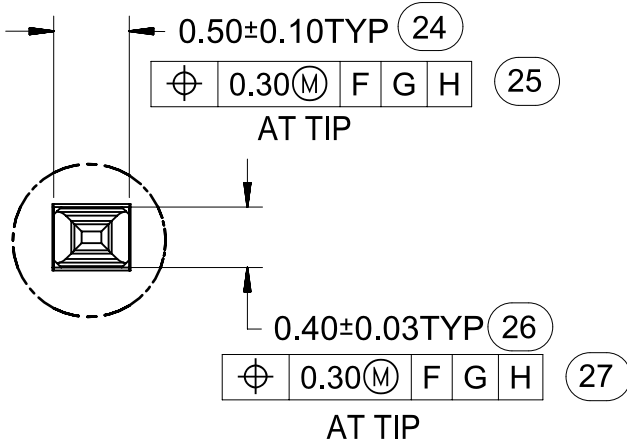


SECTION W-W

MATING SIDE TP:

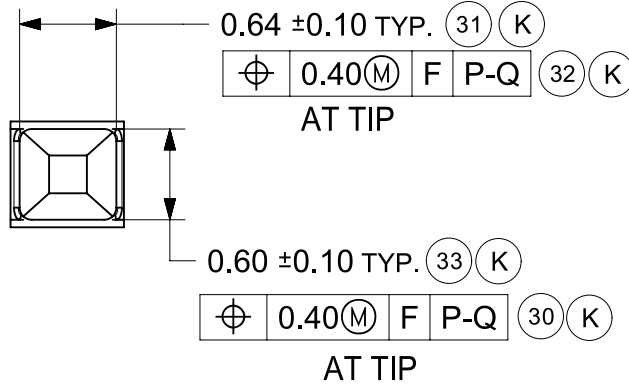


DETAIL 1
SCALE 20:1

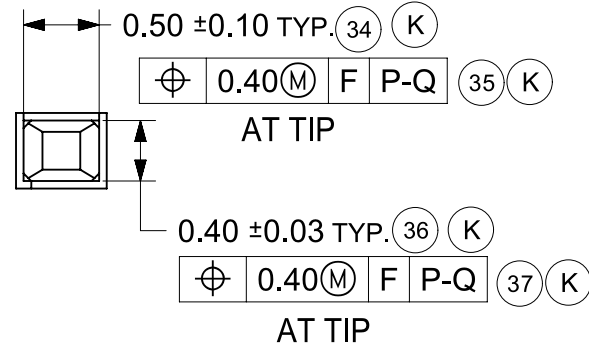


DETAIL 2
SCALE 20:1

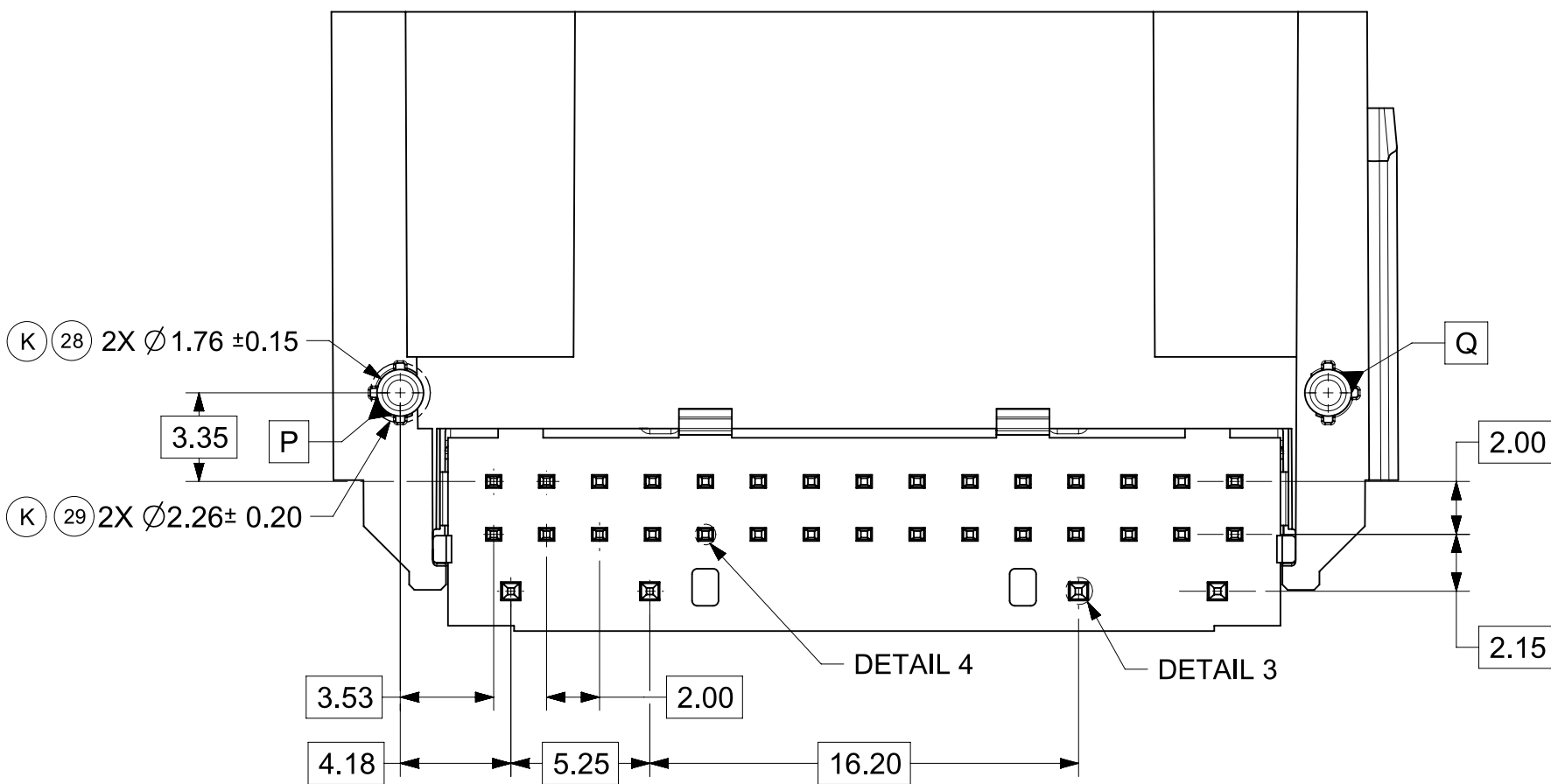
PCB SIDE TP:



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)						PHASE: Design Production				
	ANGULAR TOL ± 0.5°						CO NO: CO-000000686				
	4 PLACES ±						DRWN: Shanks Wu 2022-09-14				
	3 PLACES ±						CHK'D: Ringo Hu 2022-09-27				
	2 PLACES ±						APPR: Colin Zhang 2022-09-29				
	1 PLACE ±						INITIAL REVISION:				
	0 PLACES ±						DRWN: Shanks Wu 2022-04-25				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION		DRAWING		SERIES	
								D-SIZE		34961	
								MATERIAL NUMBER		CUSTOMER	
								SD-34961-030		GENERAL MARKET	
								DOCUMENT NUMBER		SHEET NUMBER	
								PSD 001		K	
								5 OF 6			

