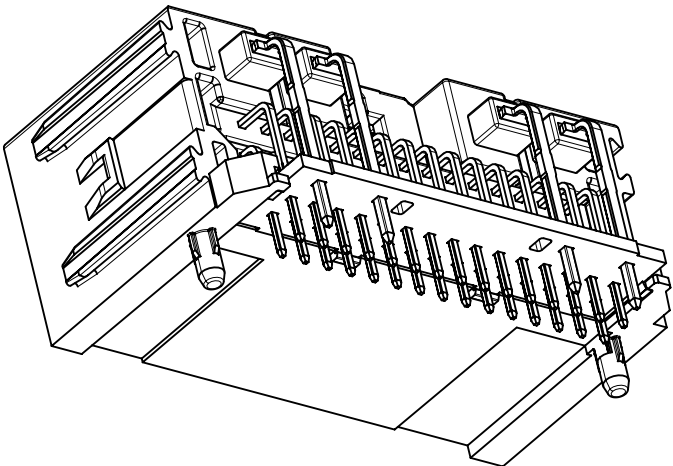
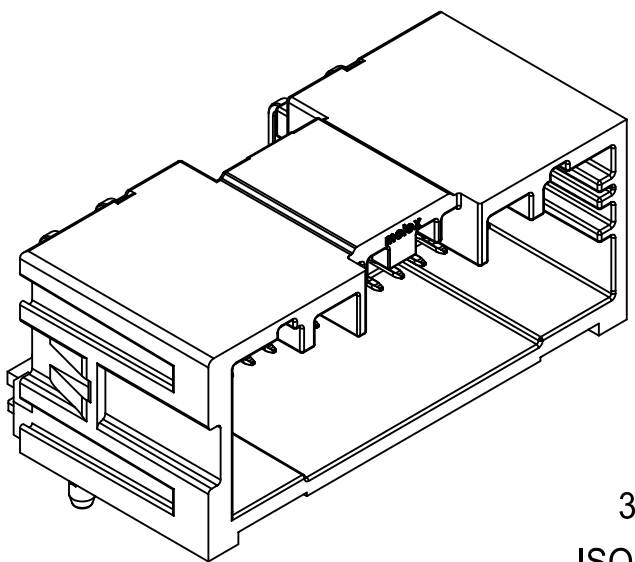
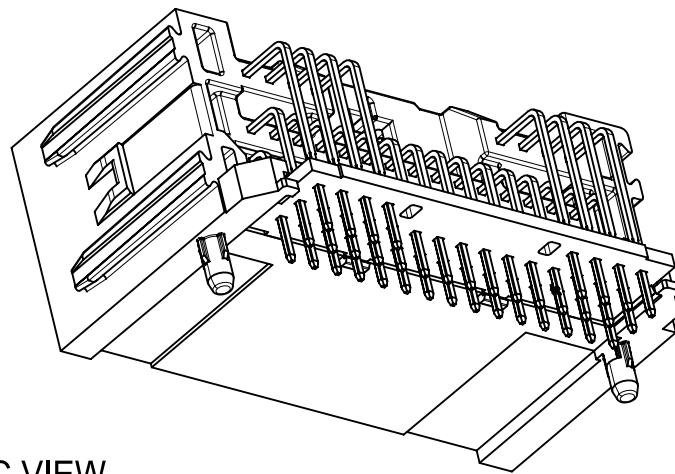
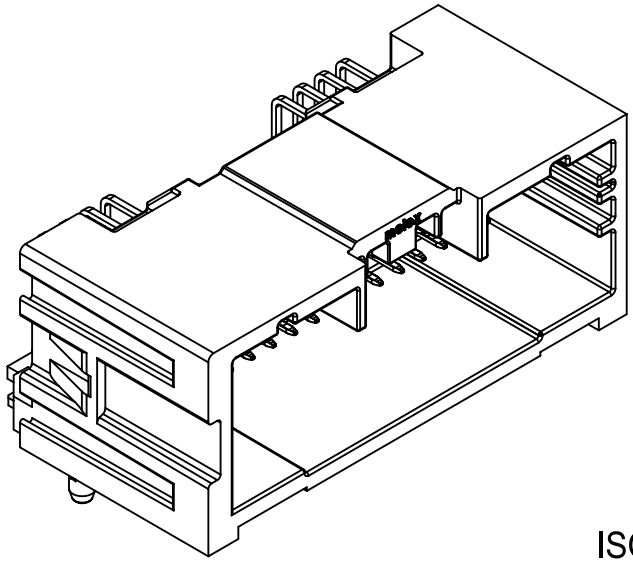


20	19	18	17
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1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW		
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW		
3	PIN INSERTION DIRECTION VIEW PAP HOLE SHAPE VIEW		
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 DIRECTION	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 OBSOLETE IN 2023
34961-0341	34961-7341	34961-8341	34	PCB TO MATING	ROUND	HB	B	GREY	WILL BE OBSOLETE IN 2023
34961-0342	34961-7342	34961-8342	34	PCB TO MATING	ROUND	HB	C	DK GREY	WILL BE OBSOLETE IN 2023
34961-0380	34961-7380	34961-8380	38	PCB TO MATING	ROUND	HB	A	BLACK	OBSOLETE
34961-0381	34961-7381	34961-8381	38	PCB TO MATING	ROUND	HB	B	GREY	OBSOLETE
34961-0382	34961-7382	34961-8382	38	PCB TO MATING	ROUND	HB	C	DK GREY	OBSOLETE
34961-0383	34961-7383	34961-8383	38	PCB TO MATING	ROUND	HB	UPDATED A	BLACK	WILL BE OBSOLETE IN 2023
34961-0384	34961-7384	34961-8384	38	PCB TO MATING	ROUND	HB	UPDATED B	GREY	WILL BE OBSOLETE IN 2023
34961-0385	34961-7385	34961-8385	38	PCB TO MATING	ROUND	HB	UPDATED C	DK GREY	WILL BE OBSOLETE 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 OBSOLETE IN 2023
2133550341	2133557341	2133558341	34	PCB TO MATING	ROUND	V0	B	GREY	WILL BE OBSOLETE IN 2023
2133550342	2133557342	2133558342	34	PCB TO MATING	ROUND	V0	C	DK GREY	WILL BE OBSOLETE IN 2023
2133550380	2133557380	2133558380	38	PCB TO MATING	ROUND	V0	UPDATED A	BLACK	WILL BE OBSOLETE IN 2023
2133550381	2133557381	2133558381	38	PCB TO MATING	ROUND	V0	UPDATED B	GREY	WILL BE OBSOLETE IN 2023
2133550382	2133557382	2133558382	38	PCB TO MATING	ROUND	V0	UPDATED C	DK GREY	WILL BE OBSOLETE 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

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
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

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

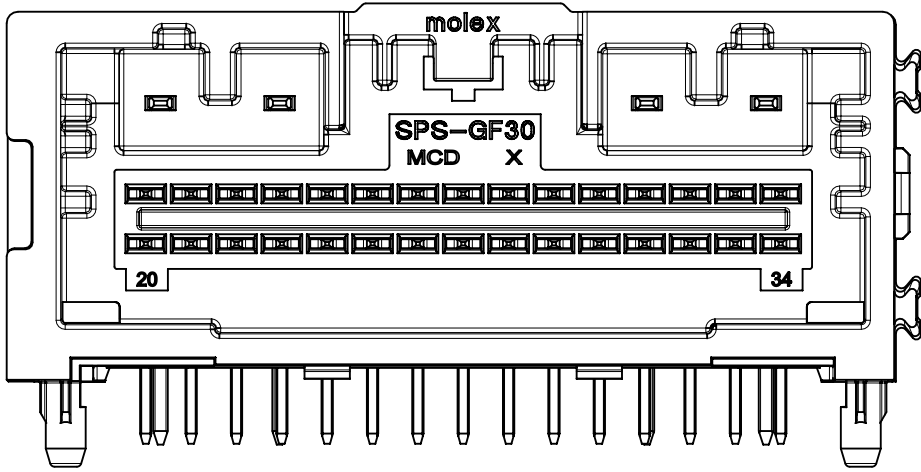
4 CROSS-HATCHED AREAS MAKE CONTACT WITH PCB

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-0000000910
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-0000000910
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 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 FOLLOWING 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 ASSEMBLY, 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.

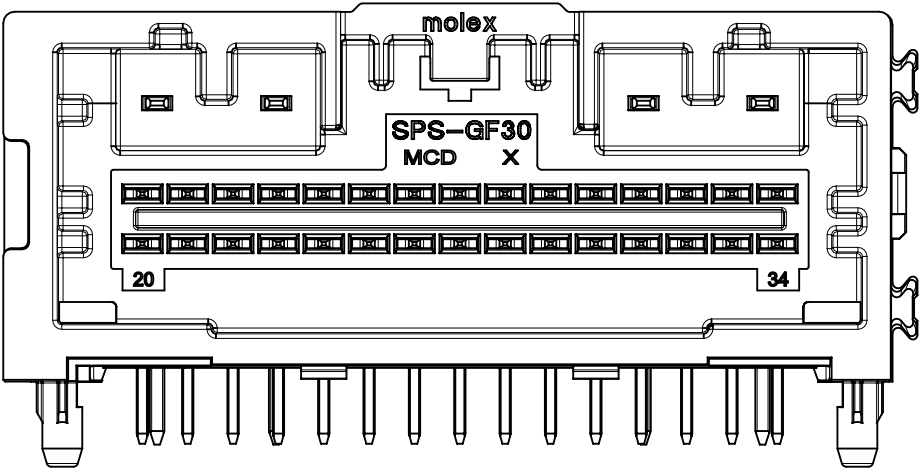
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	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN				molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING						
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 0.5°														
	4 PLACES		±												
	3 PLACES		±		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				PRODUCT SALES DRAWING						
	2 PLACES		±												
	1 PLACE		±												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING									SERIES		DOCUMENT NUMBER
				D-SIZE		34961		SD-34961-030		PSD		001		K	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										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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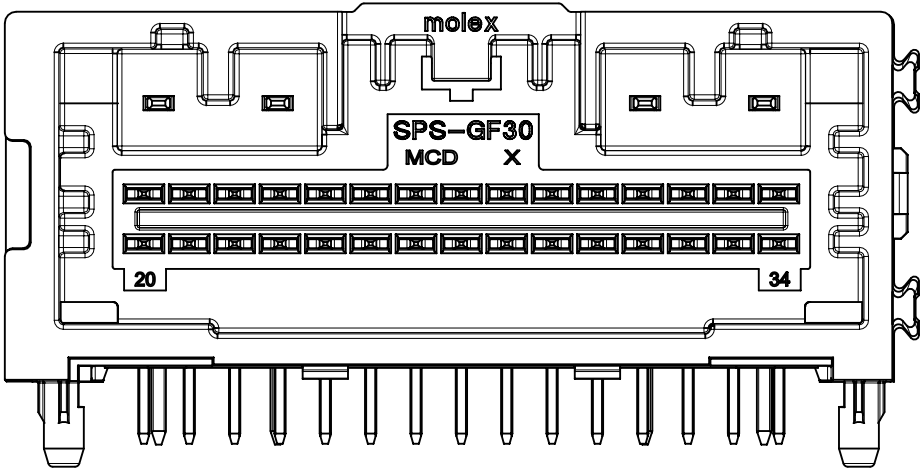
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW



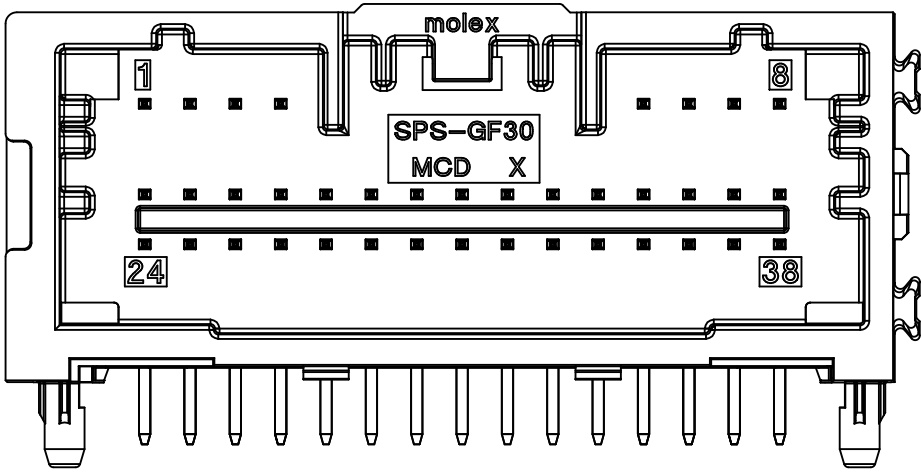
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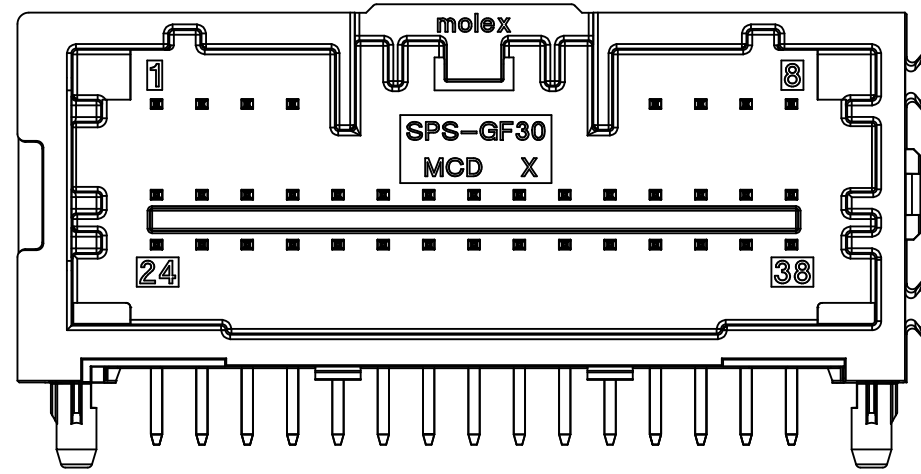
34CKT POLARIZATION OPTION B



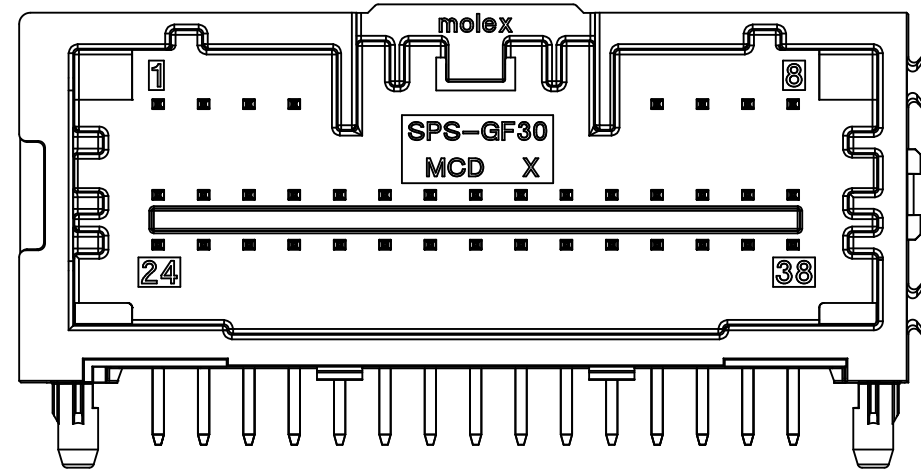
34CKT POLARIZATION OPTION C



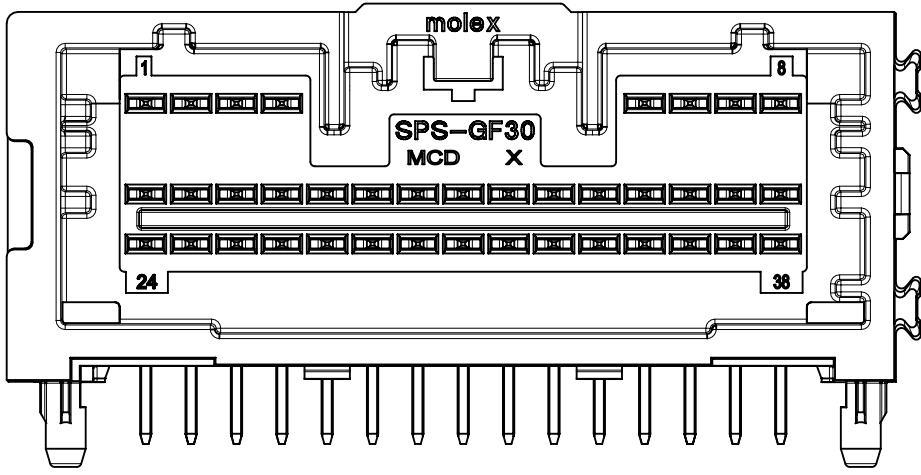
38CKT POLARIZATION OPTION A
(OBSOLETE)



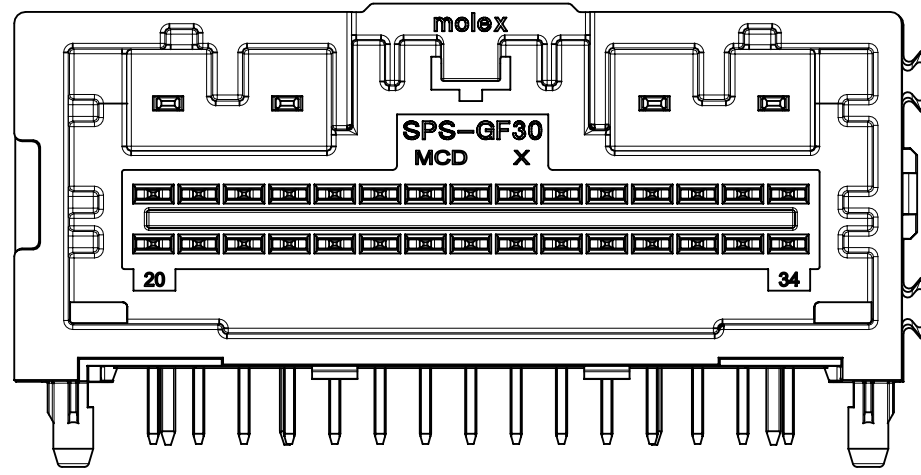
38CKT POLARIZATION OPTION B
(OBSOLETE)



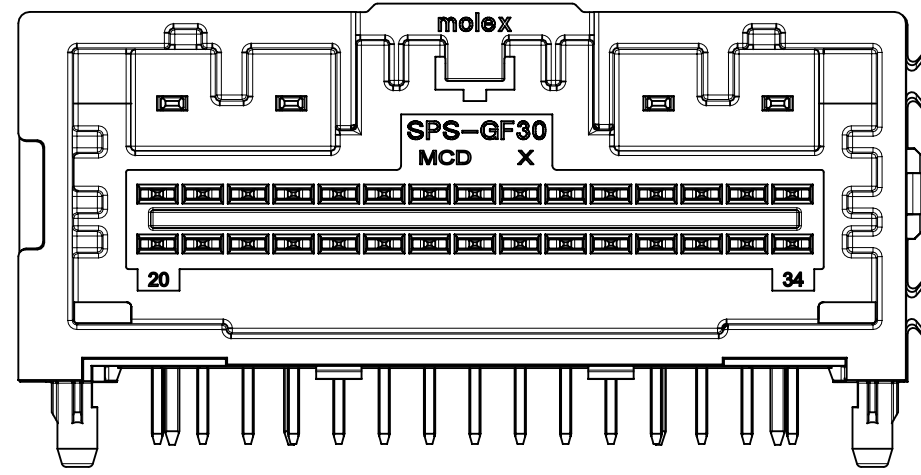
38CKT POLARIZATION OPTION C
(OBSOLETE)



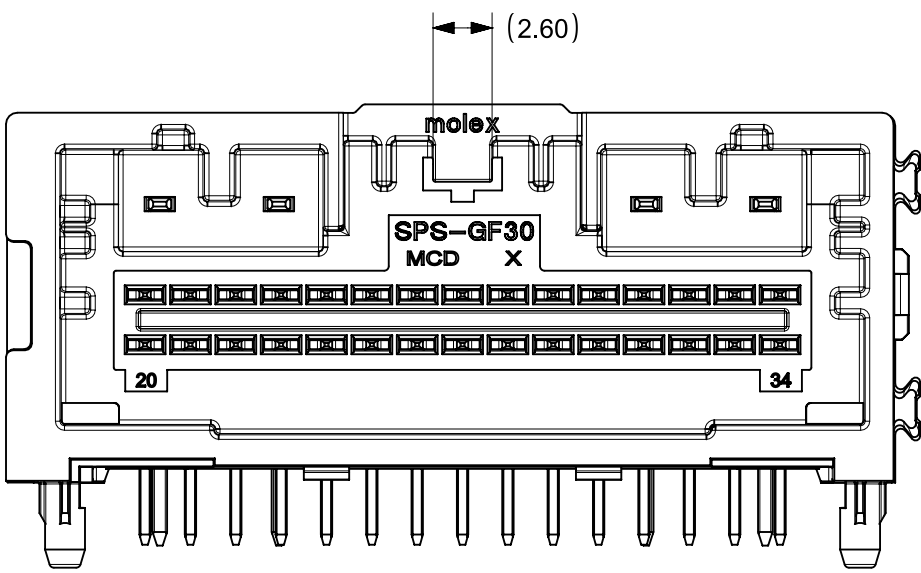
38CKT POLARIZATION OPTION UPDATED A



38CKT POLARIZATION OPTION UPDATED B

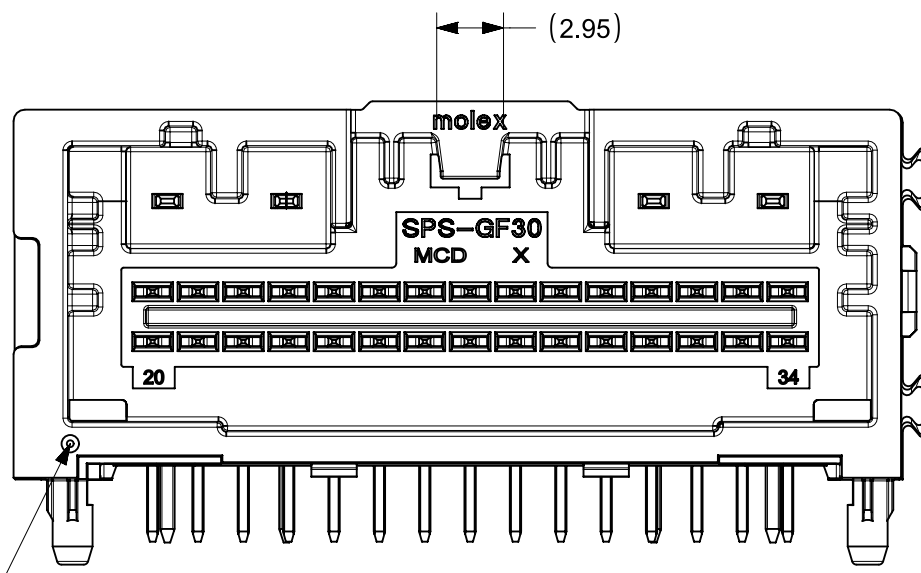


38CKT POLARIZATION OPTION UPDATED C

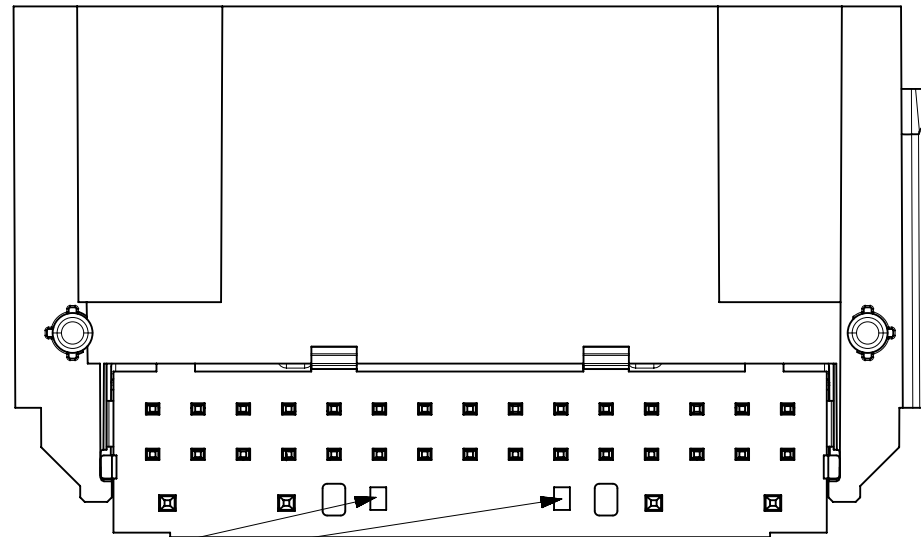


HB P/Ns: 34961XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

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

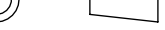
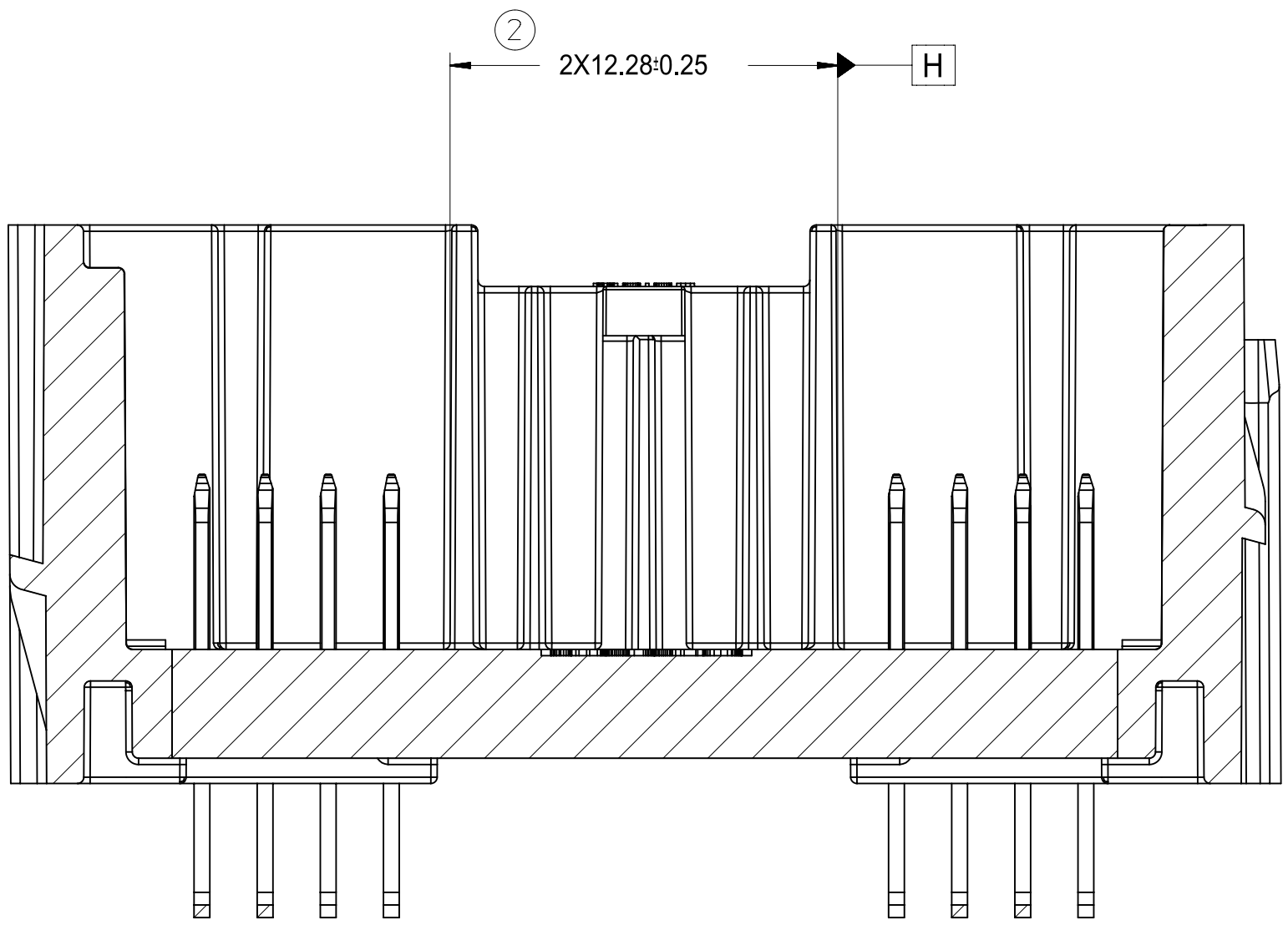
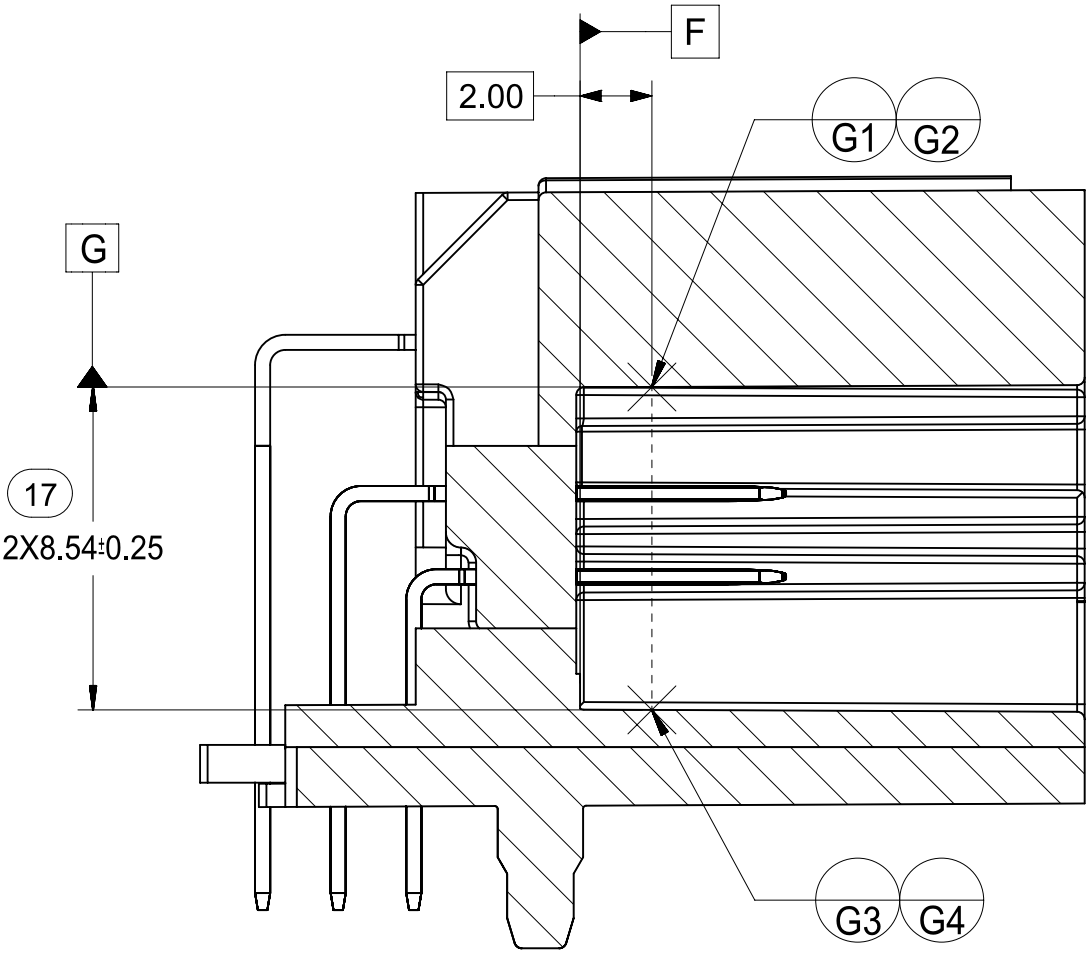
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FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN				
	mm	3:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: Design Production CO NO: CO-000000686 DRWN: Shanks Wu 2022-09-14 CHK'D: Ringo Hu 2022-09-27 APPR: Colin Zhang 2022-09-29 INITIAL REVISION: DRWN: Shanks Wu 2022-04-25 APPR: Colin Zhang 2022-05-05				
	ANGULAR TOL ± 0.5°								
	4 PLACES	±							
	3 PLACES	±							
	2 PLACES	±							
DIVISIONAL SYMBOLS	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
					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
					SD-34961-030		PSD	001	K

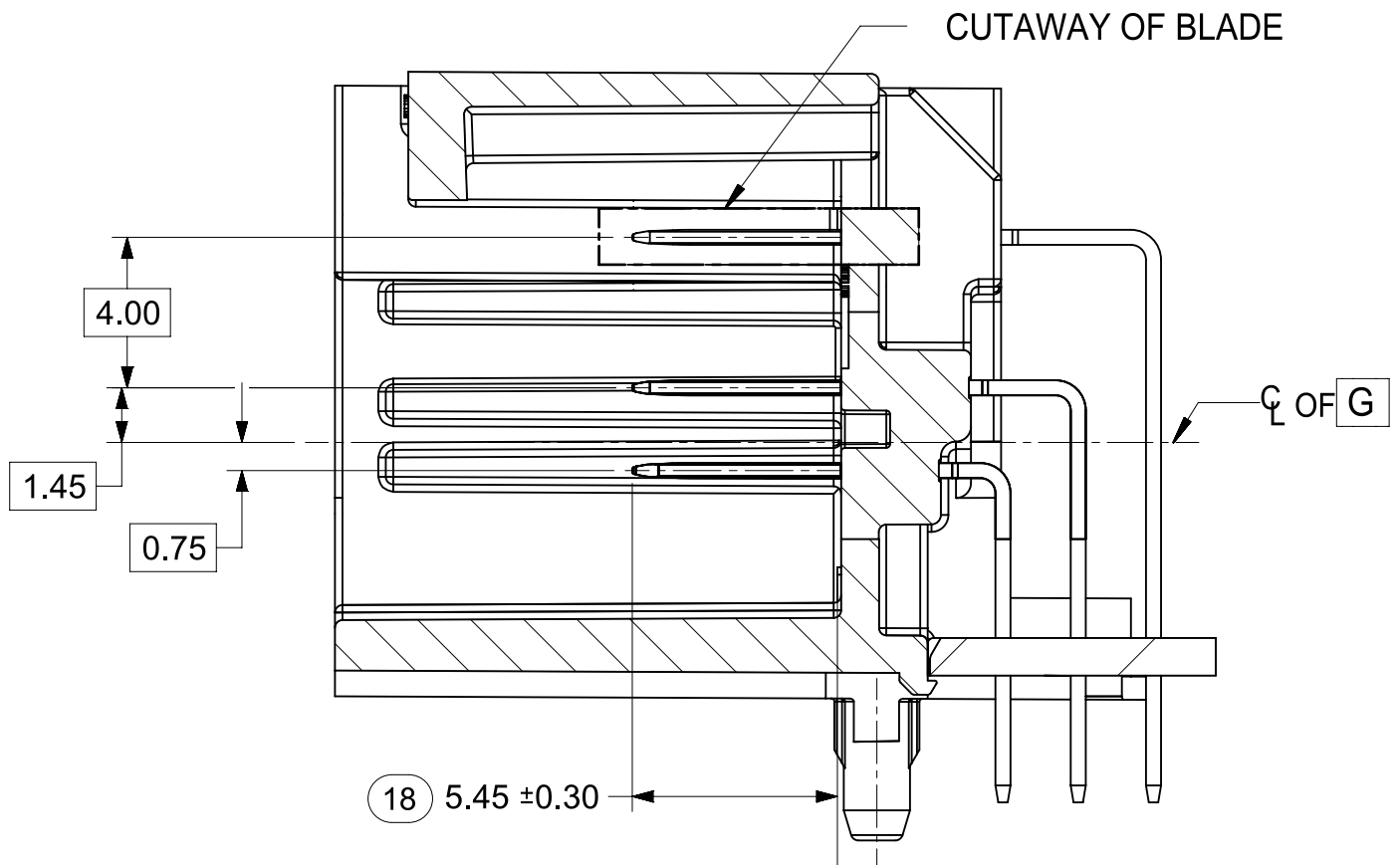
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
5	DETAIL DIMENSION VIEW



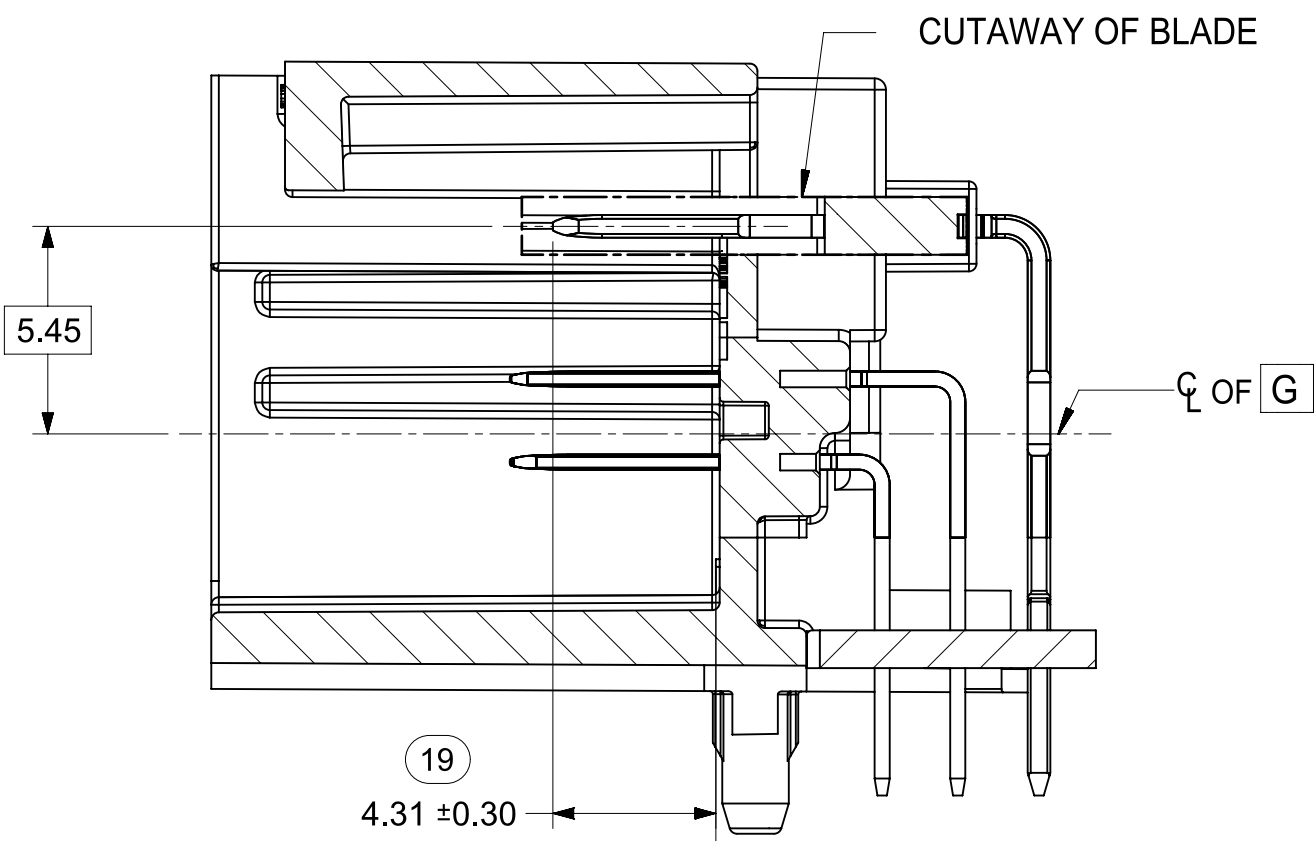
SECTION X-X



SECTION Z-Z

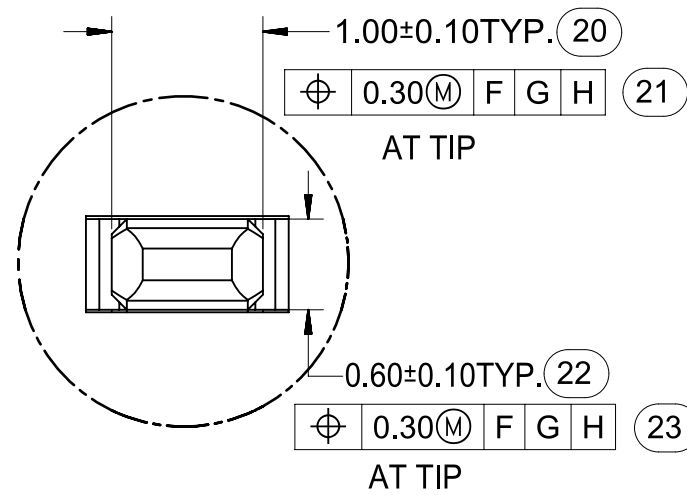


SECTION Y-Y

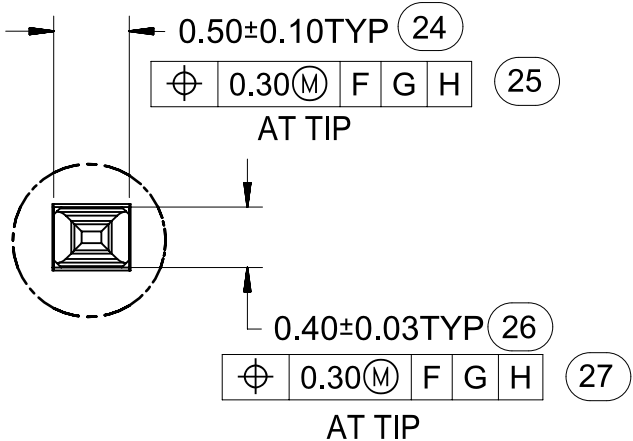


SECTION W-W

MATING SIDE TP:

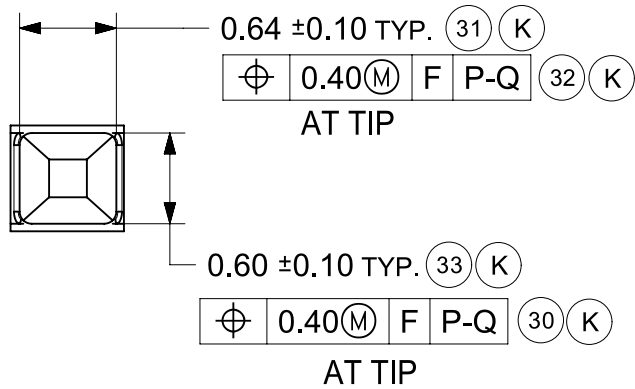


DETAIL 1
SCALE 20:1

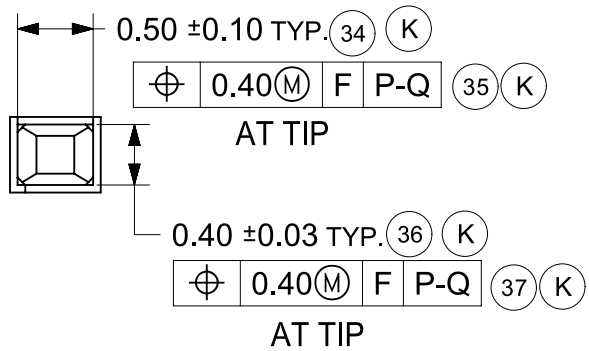


DETAIL 2
SCALE 20:1

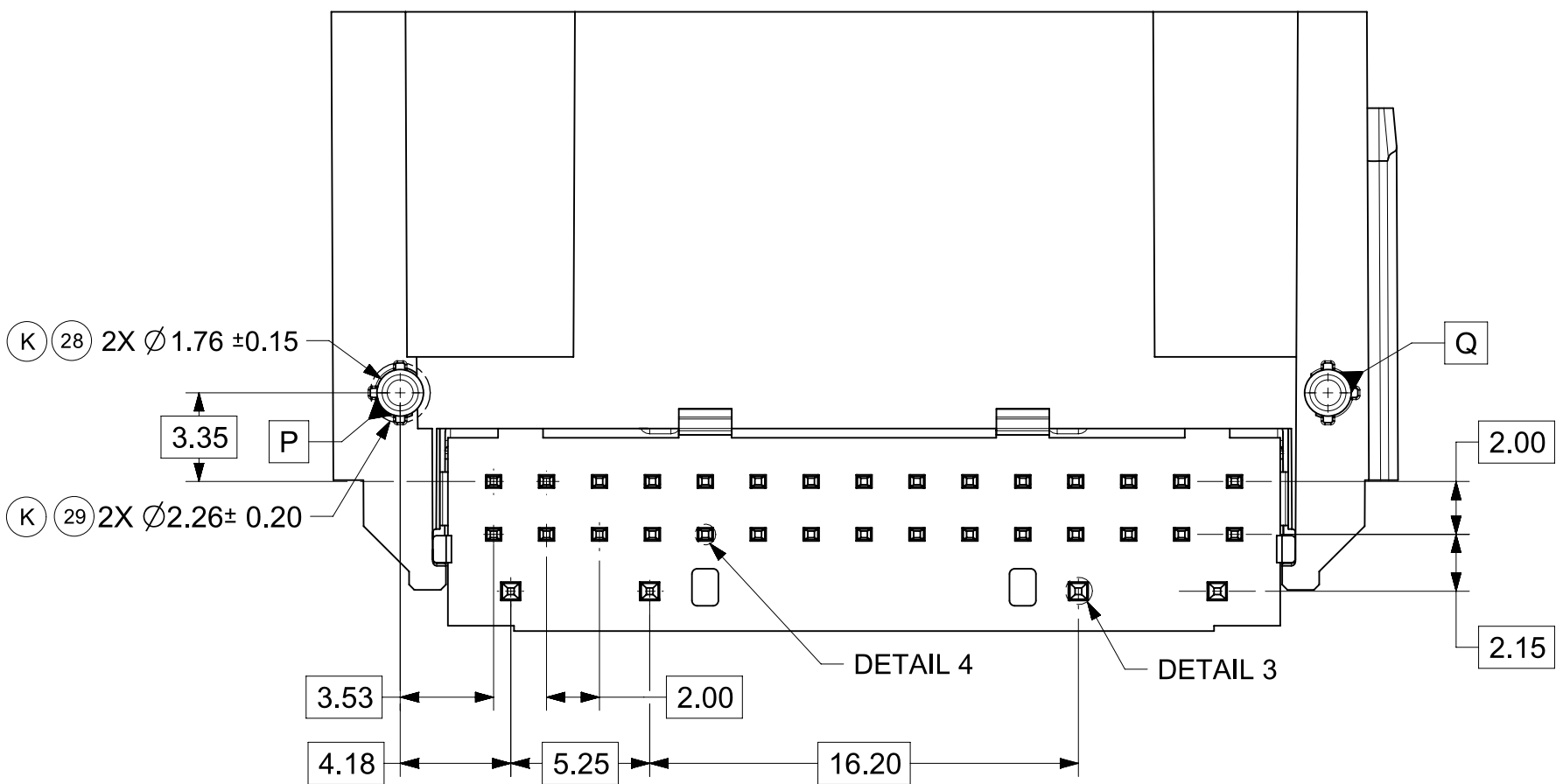
PCB SIDE TP:



DETAIL 3
SCALE 20:1

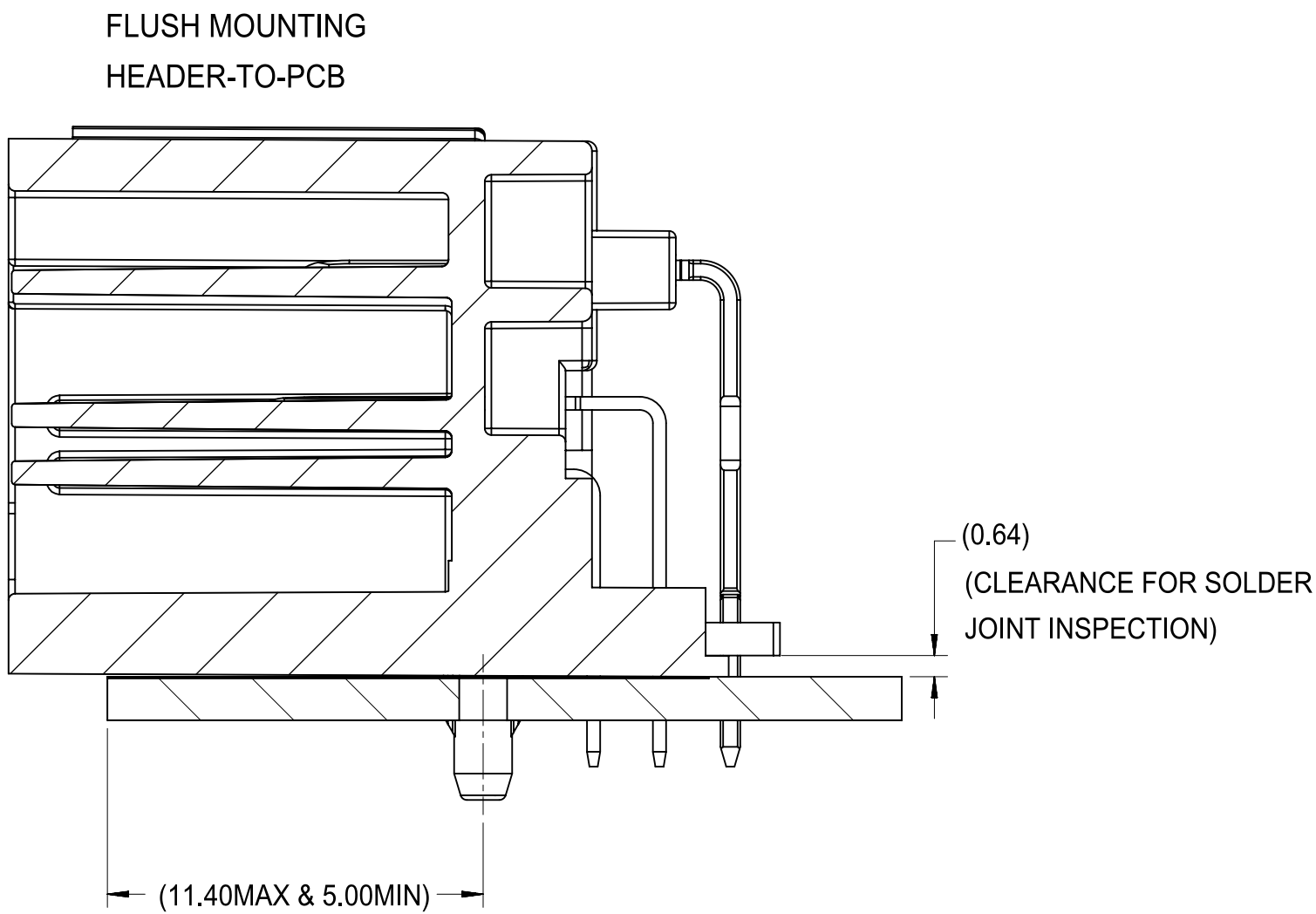
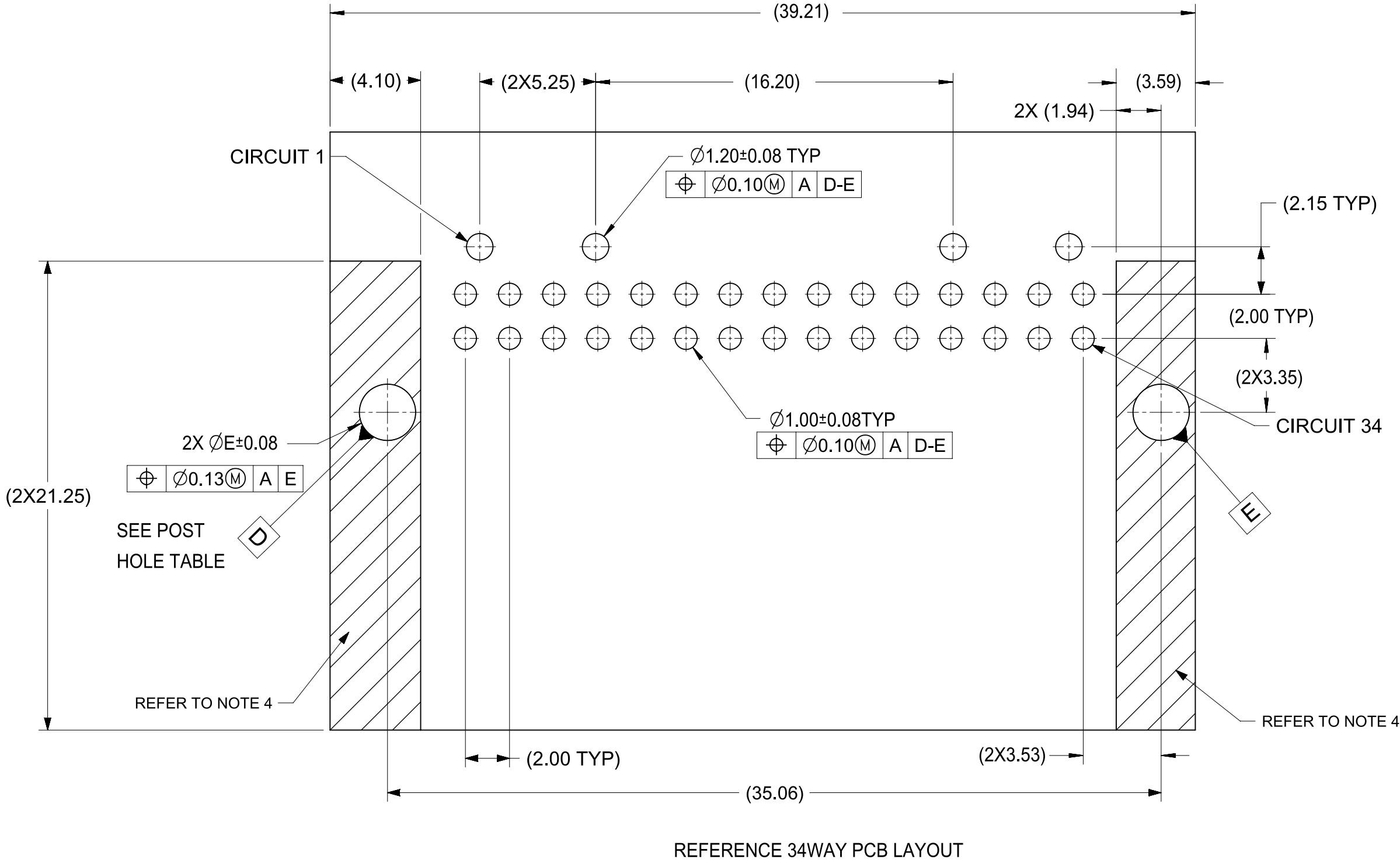
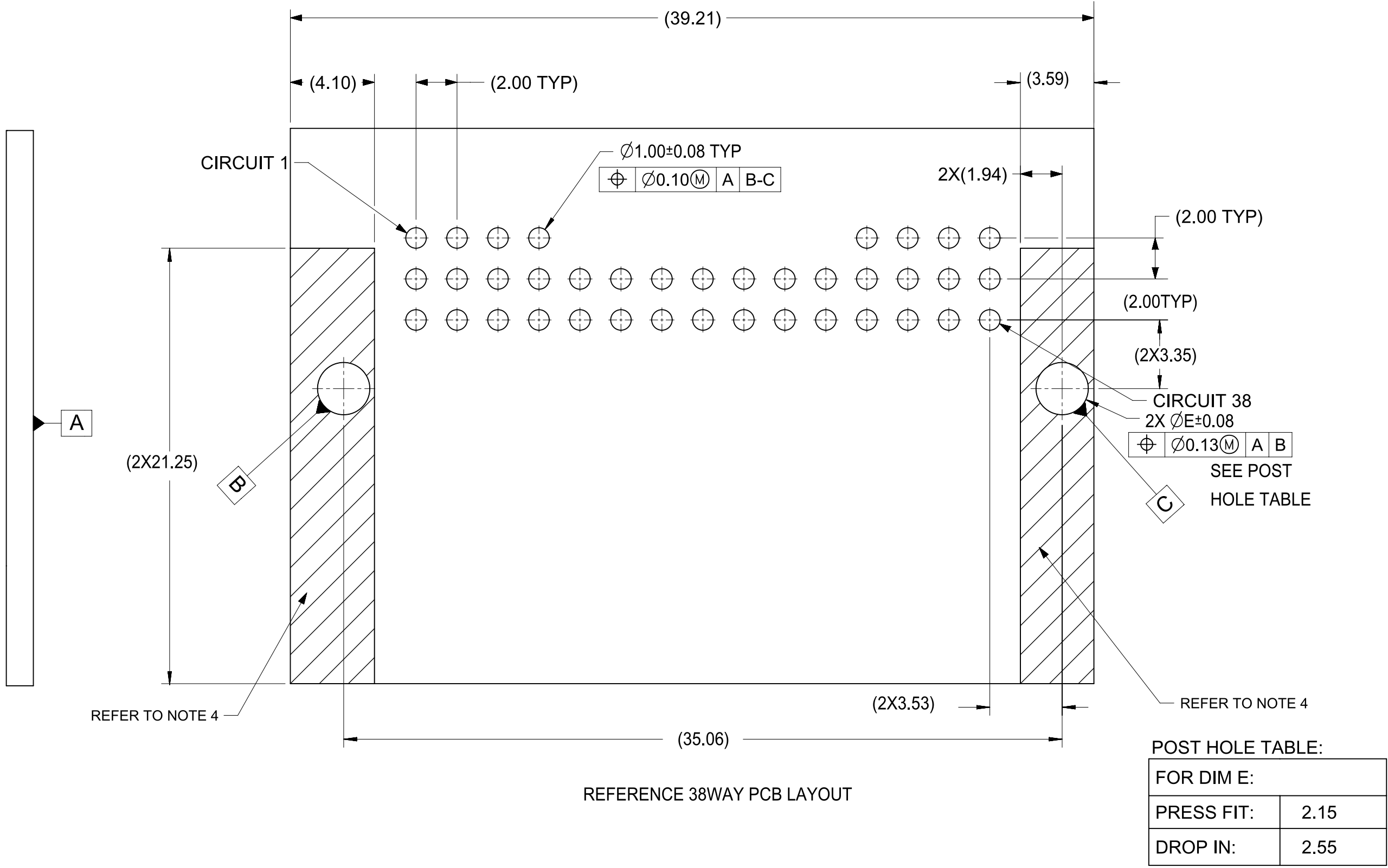


DETAIL 4
SCALE 20:1



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)						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	
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
SD-34961-030				PSD		001		K			
MATERIAL NUMBER				CUSTOMER		SHEET NUMBER					
				GENERAL MARKET		5 OF 6					

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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												
	DIMENSION UNITS mm		SCALE 5:1		CURRENT REV DESC: REFER TO REVISION COLUMN								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				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								
	ANGULAR TOL ± 0.5°												
	4 PLACES ±												
3 PLACES ±				PRODUCT SALES DRAWING									
2 PLACES ±													
1 PLACE ±													
0 PLACES ±				DOCUMENT NUMBER SD-34961-030		DOC TYPE PSD		DOC PART 001		REVISION K			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING D-SIZE		SERIES 34961		MATERIAL NUMBER GENERAL MARKET		CUSTOMER 6 OF 6	