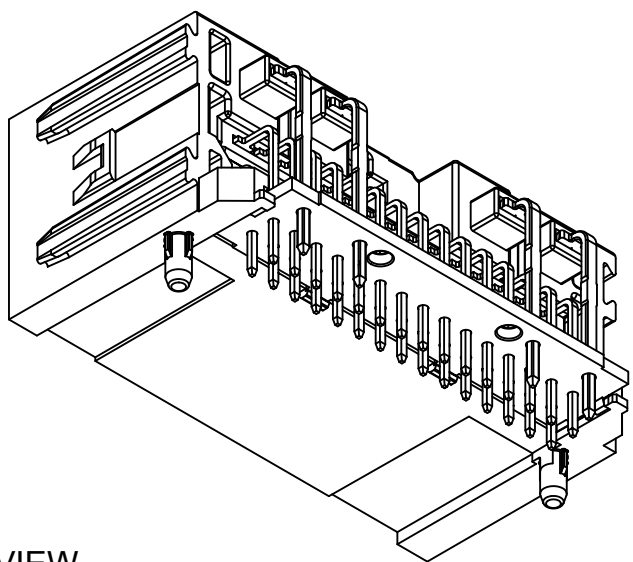
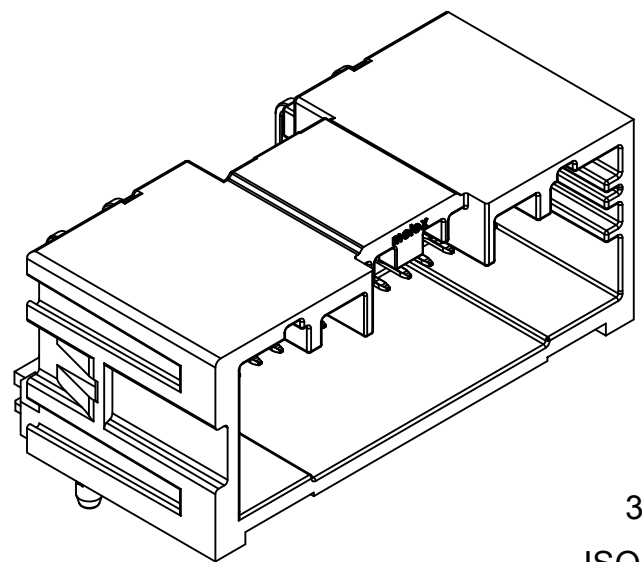
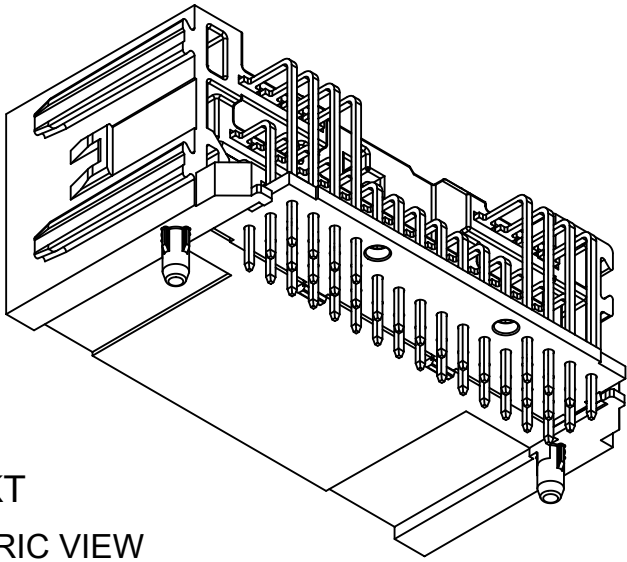
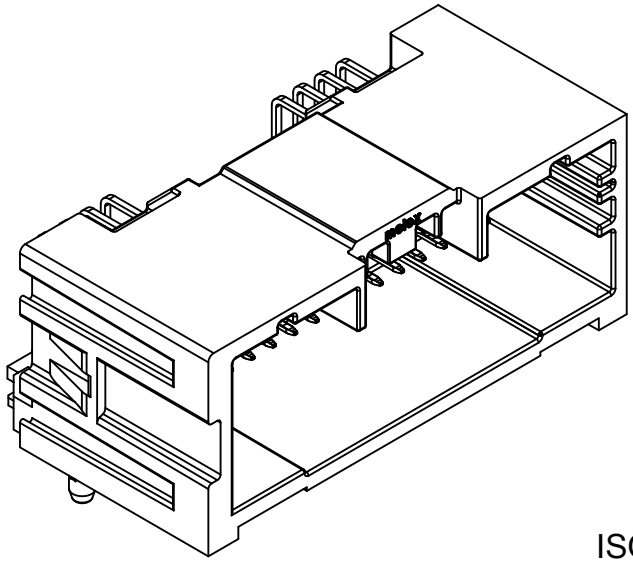


20	19	18	17
TABLE OF CONTENTS			
SHEET NO.	SHEET DESCRIPTION		
1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY LIST, ISOMETRIC VIEW		
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW		
3	DETAIL DIMENSION VIEW		
4	DETAIL DIMENSION VIEW		
5	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	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	OBSOLETED
34961-0381	34961-7381	34961-8381	38	HB	B	GREY	OBSOLETED
34961-0382	34961-7382	34961-8382	38	HB	C	DK GREY	OBSOLETED
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	SALEABLE
2133550342	2133557342	2133558342	34	V0	C	DK GREY	SALEABLE
2133550380	2133557380	2133558380	38	V0	UPDATED A	BLACK	SALEABLE
2133550381	2133557381	2133558381	38	V0	UPDATED B	GREY	SALEABLE
2133550382	2133557382	2133558382	38	V0	UPDATED C	DK GREY	SALEABLE

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)															

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: J4
LAST BALLOON NUMBER USED: 27
ADDED BALLOON NUMBERS: 3B
REMOVED BALLOON NUMBERS:

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/01	04:00:23
-----------------	----	--------------	------------	----------

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-34959-001

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

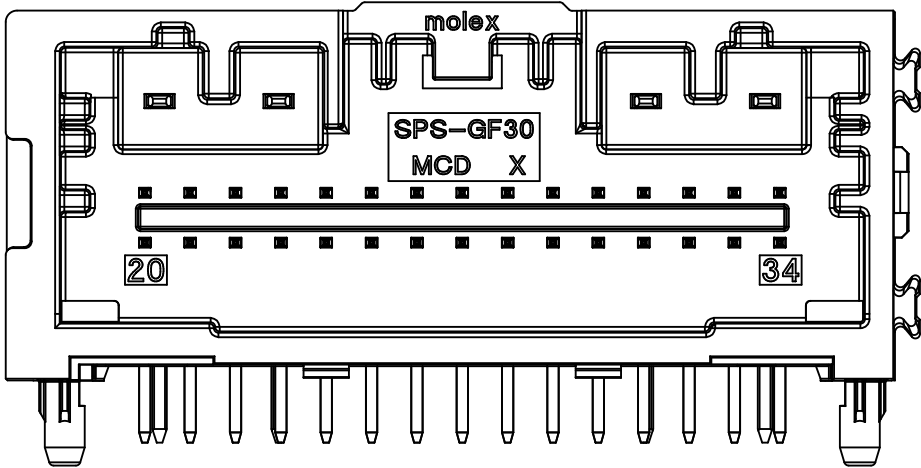
b. OVERPLATING - OVERALL REFLOWED TIN

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.

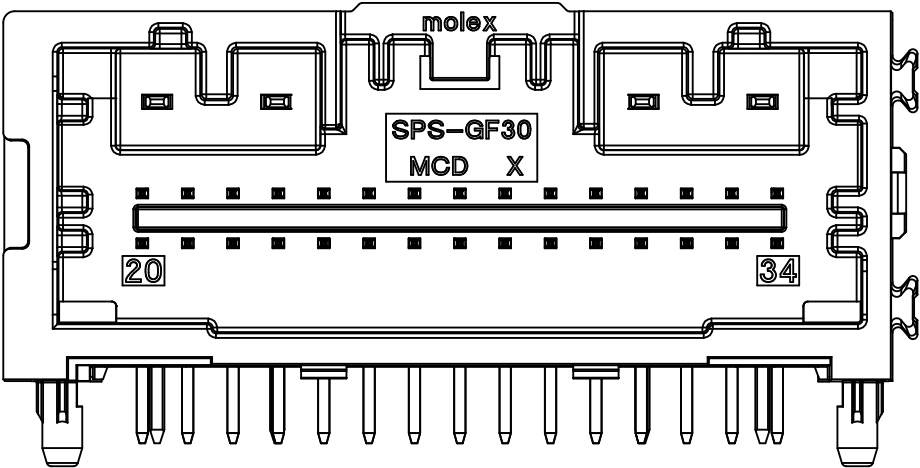
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
	mm		3:1												
	$\frac{F}{A} = 0$							EC NO: 668374 DRWN: SWU31 2021/06/29 CHK'D: CDZHANG 2021/07/01 APPR: CDZHANG 2021/07/01			34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING				
$\frac{F}{E} = 0$															
$\frac{F}{E} = 0$															
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± °														
	4 PLACES ±							PRODUCT CUSTOMER DRAWING							
	3 PLACES ±														
	2 PLACES ±							DOCUMENT NUMBER SD-34961-030 DOC TYPE PSD DOC PART 001 REVISION J4							
	1 PLACE ±														
0 PLACES ±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 34961		MATERIAL NUMBER		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/01 04:00:23						MUST REMAIN WITHIN DIMENSIONS			D-SIZE	34961		GENERAL MARKET	1 OF 5
-----------------	----	--------------	---------------------	--	--	--	--	--	----------------------------------	---	---	--------	-------	--	----------------	--------

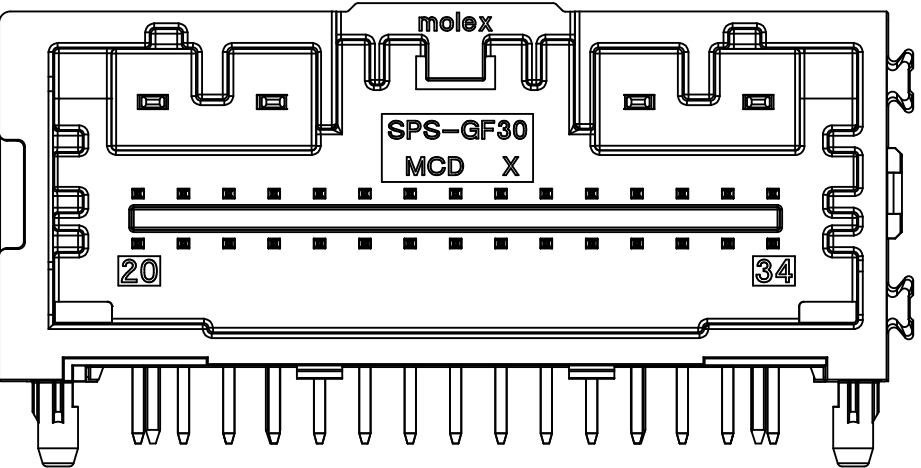
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
2	34&38CKT POLARIZATION OPTION VIEW HB/V0 HEADER DIFFERENCE VIEW



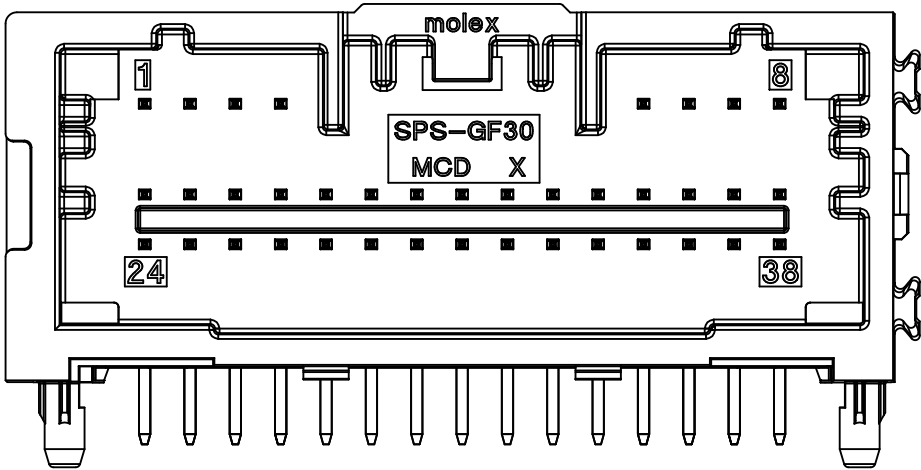
34CKT POLARIZATION OPTION A



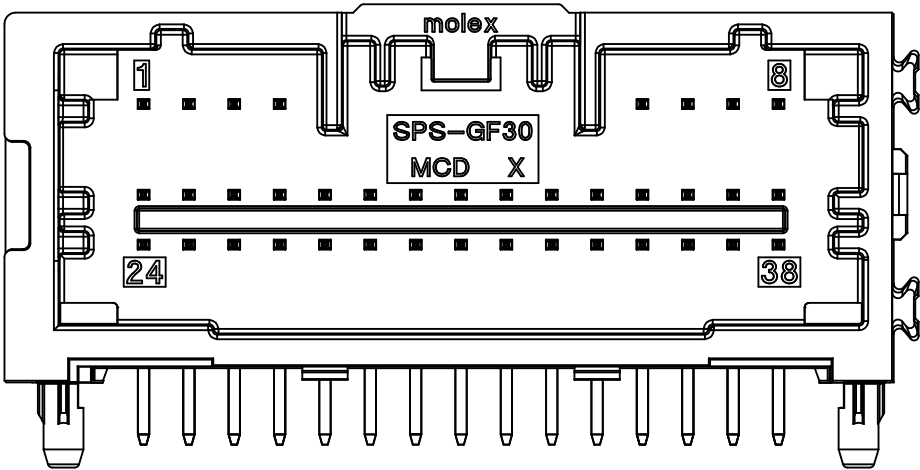
34CKT POLARIZATION OPTION B



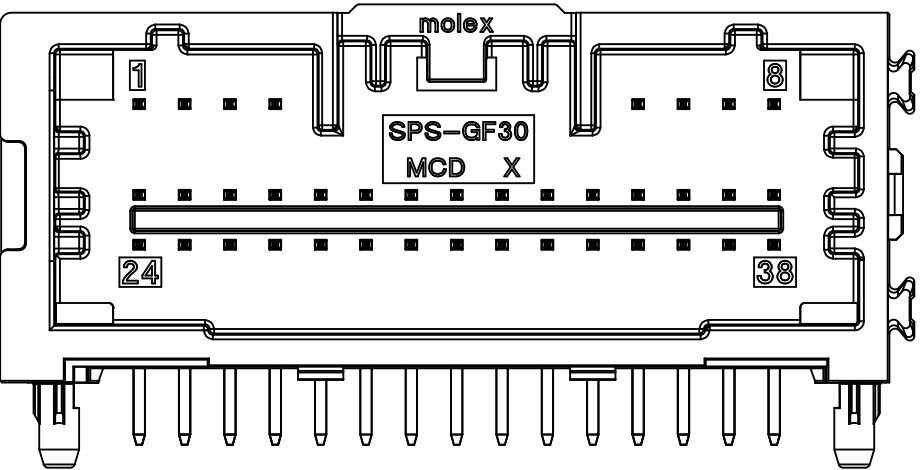
34CKT POLARIZATION OPTION C



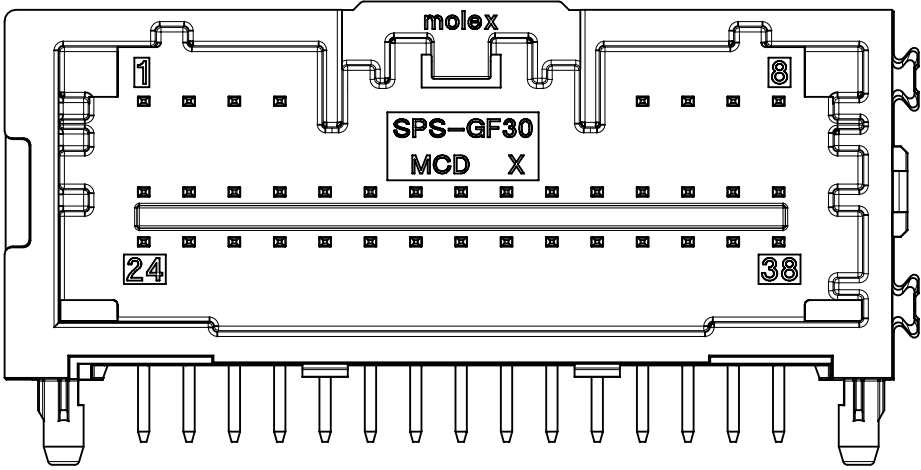
38CKT POLARIZATION OPTION A



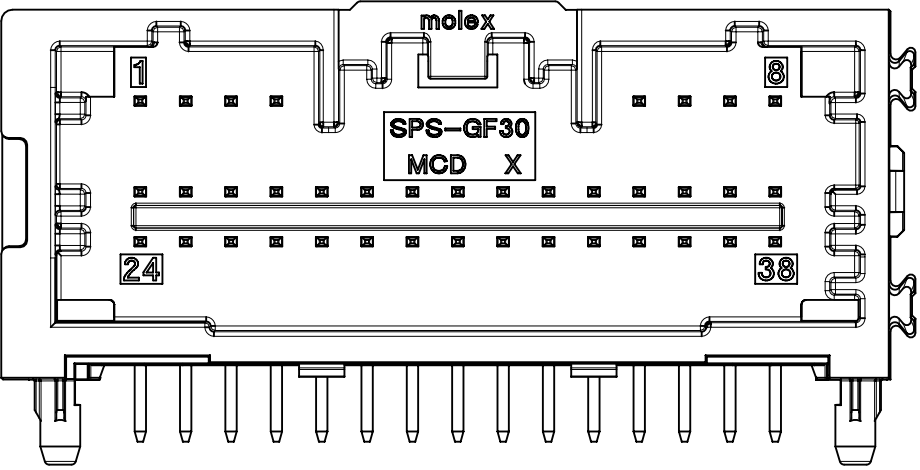
38CKT POLARIZATION OPTION B



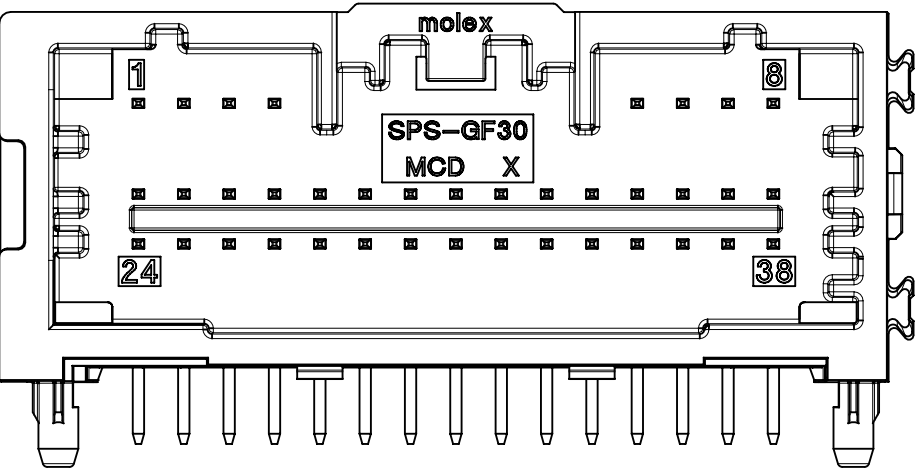
38CKT POLARIZATION OPTION C



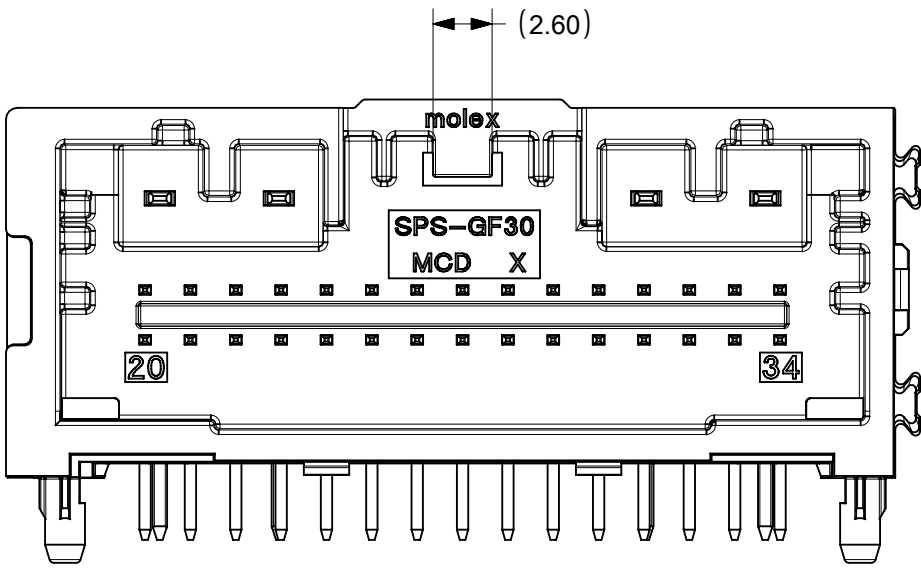
38CKT POLARIZATION OPTION UPDATED A



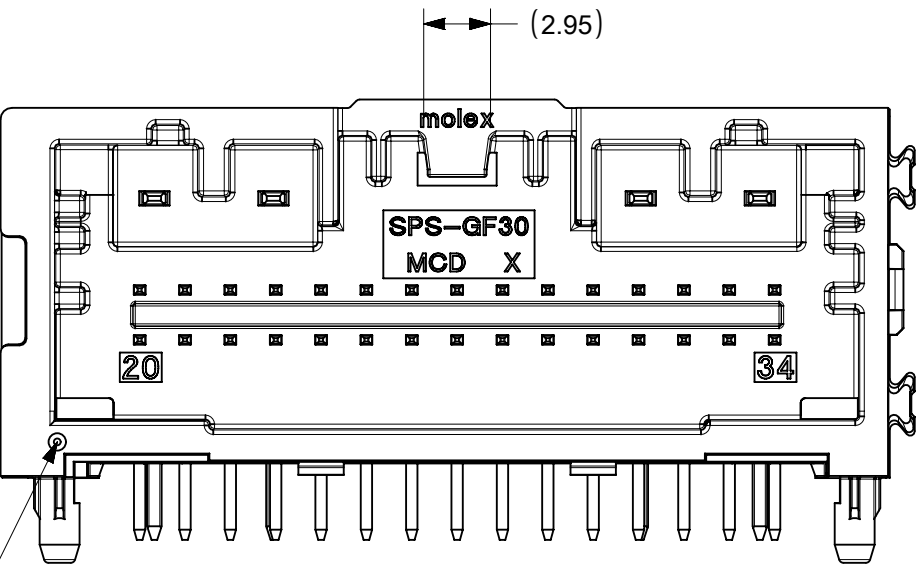
38CKT POLARIZATION OPTION UPDATED B



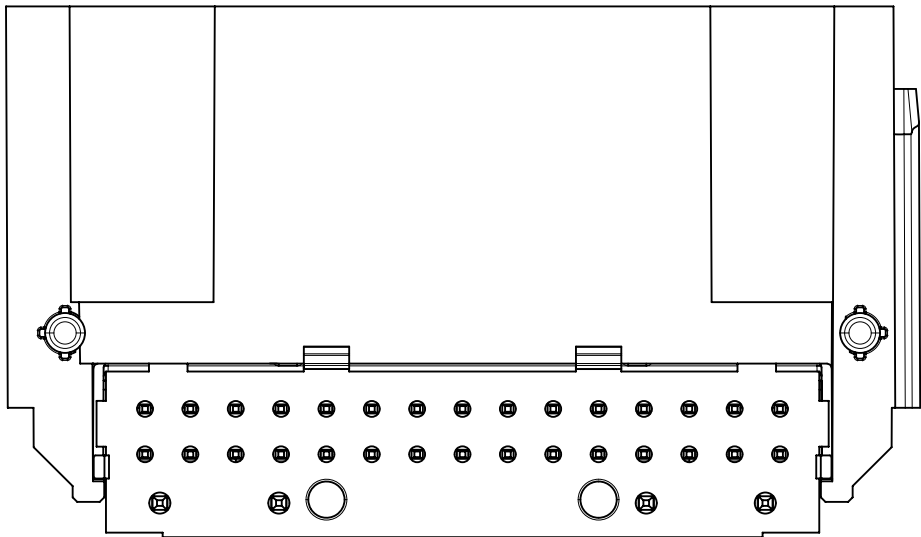
38CKT POLARIZATION OPTION UPDATED C



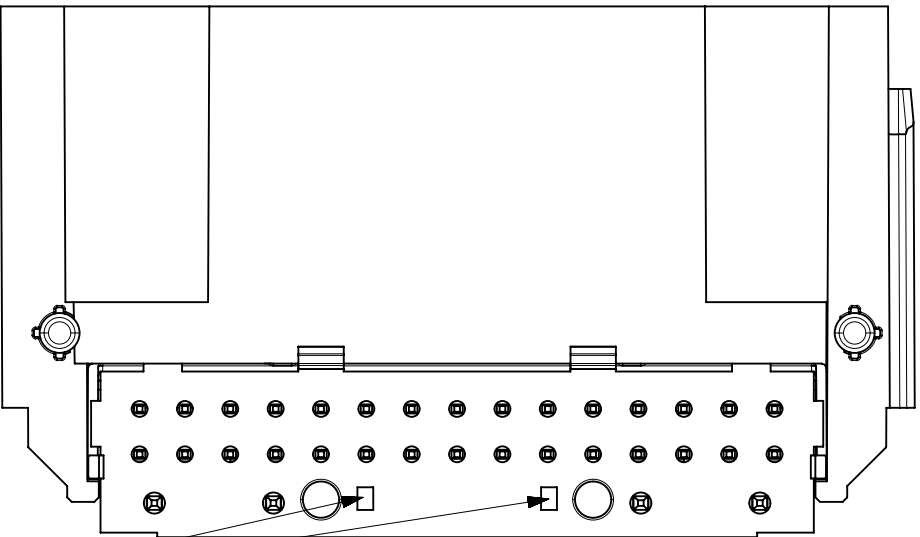
HB / V0 VERSION DIFFERENCE



DEPRESSION FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART



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

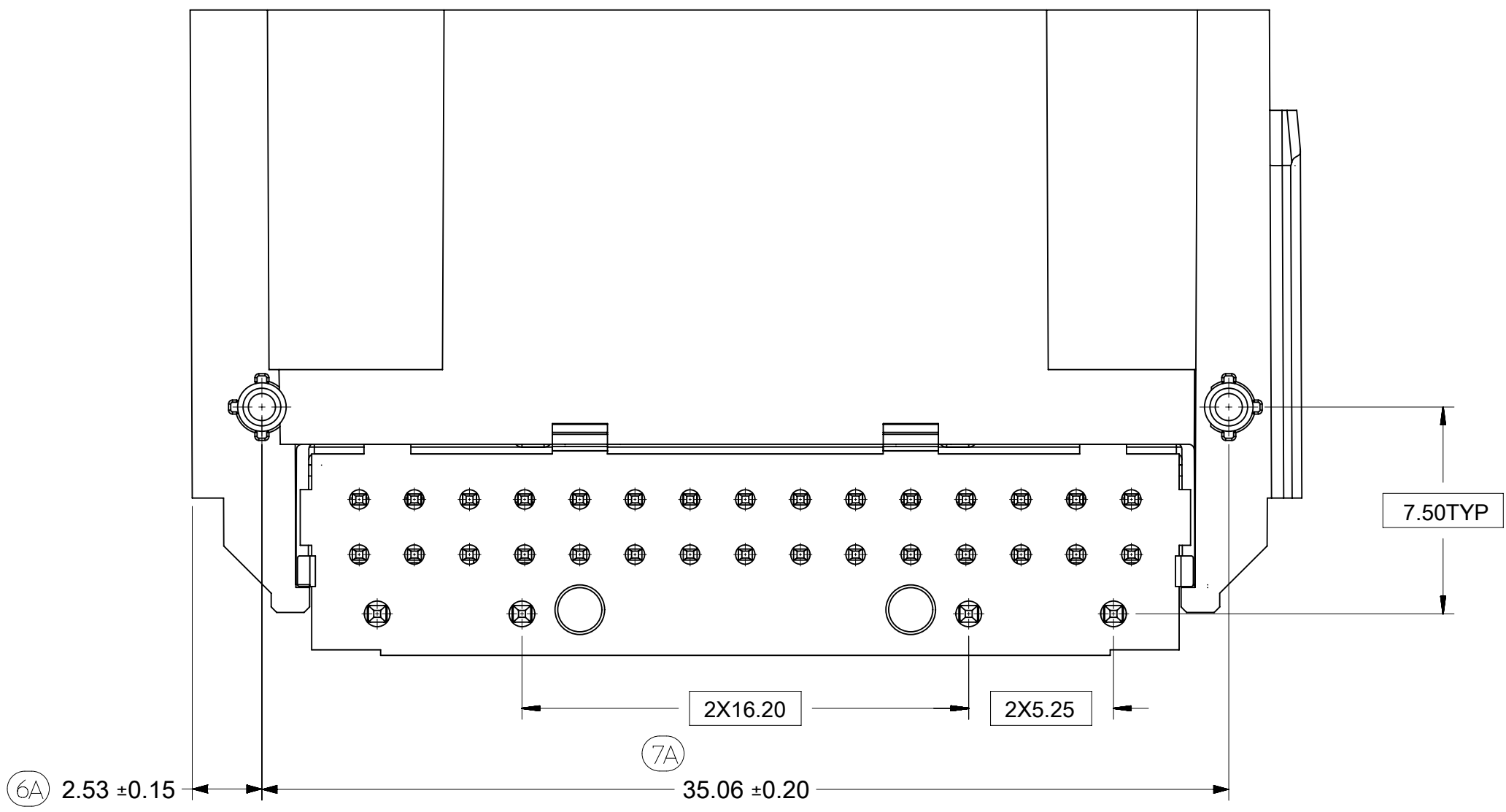
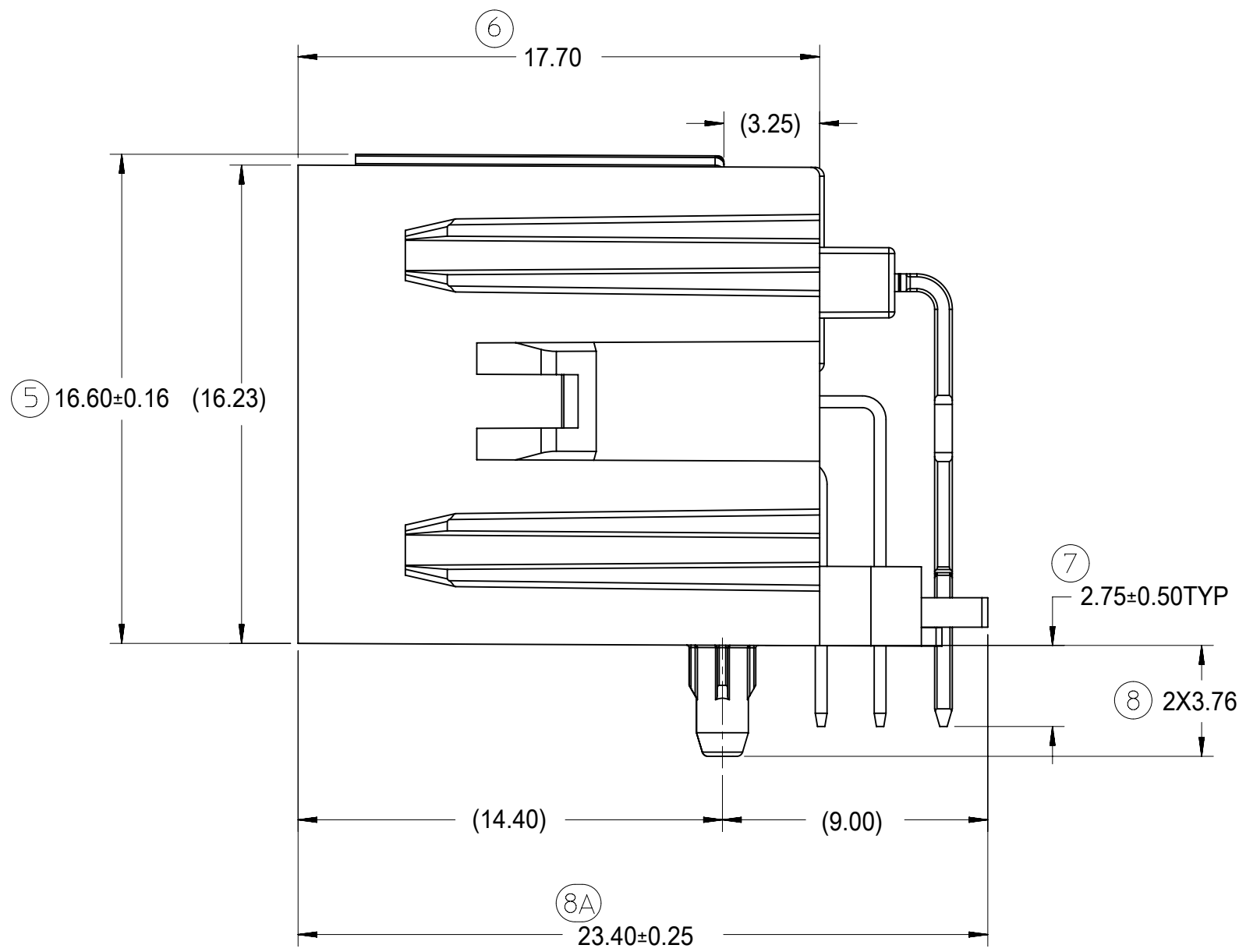
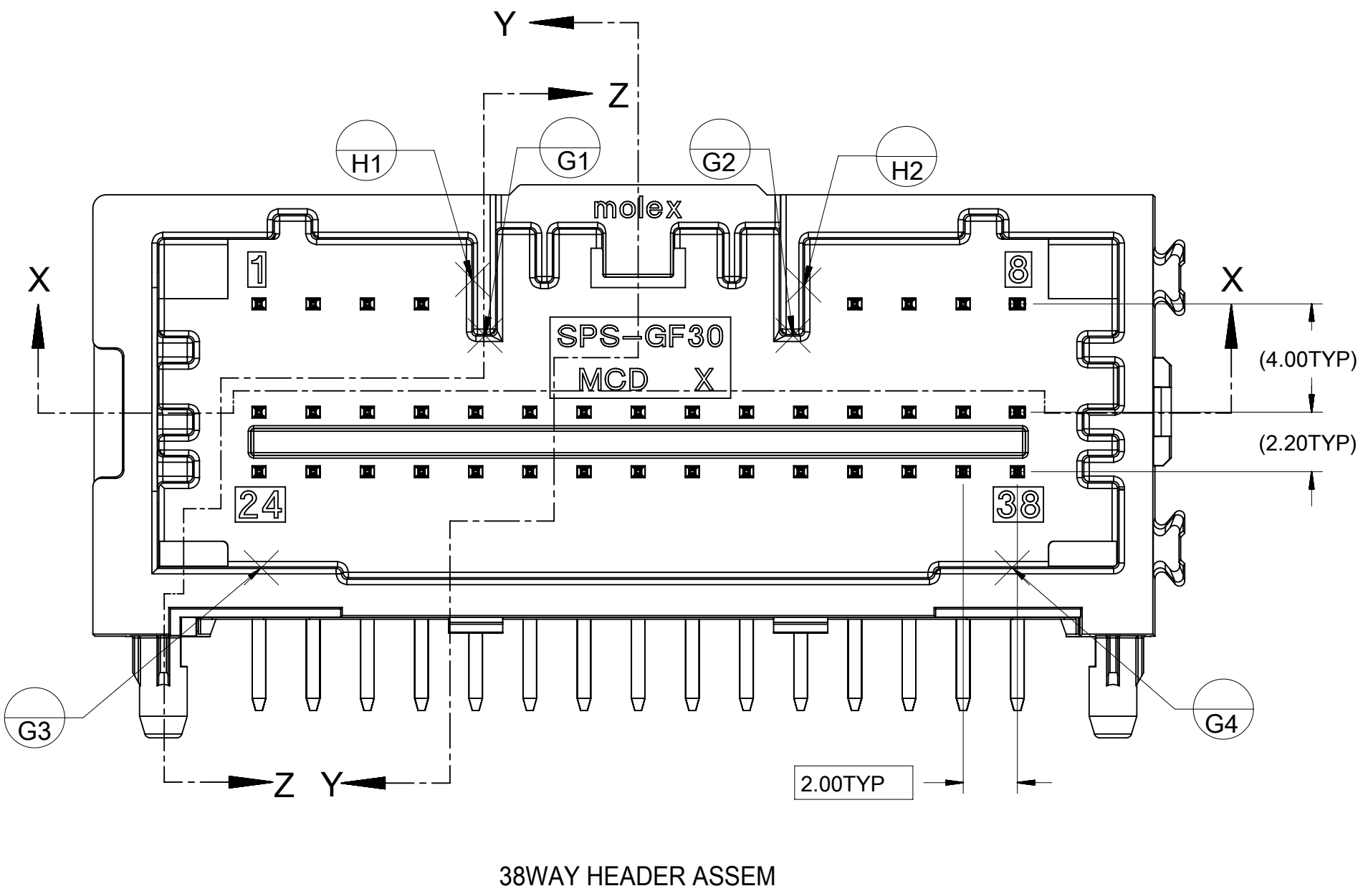
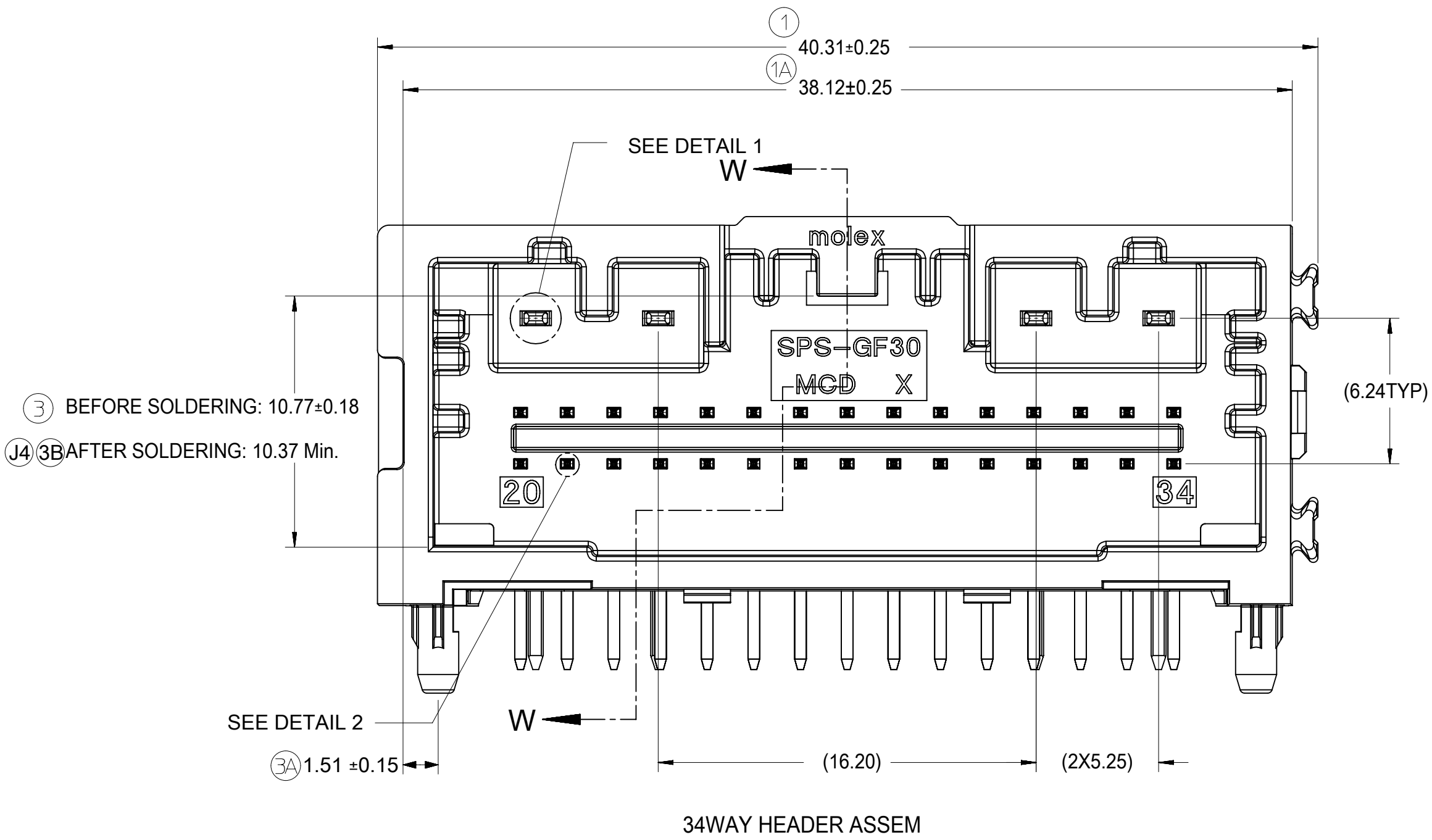


HOLE FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART

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

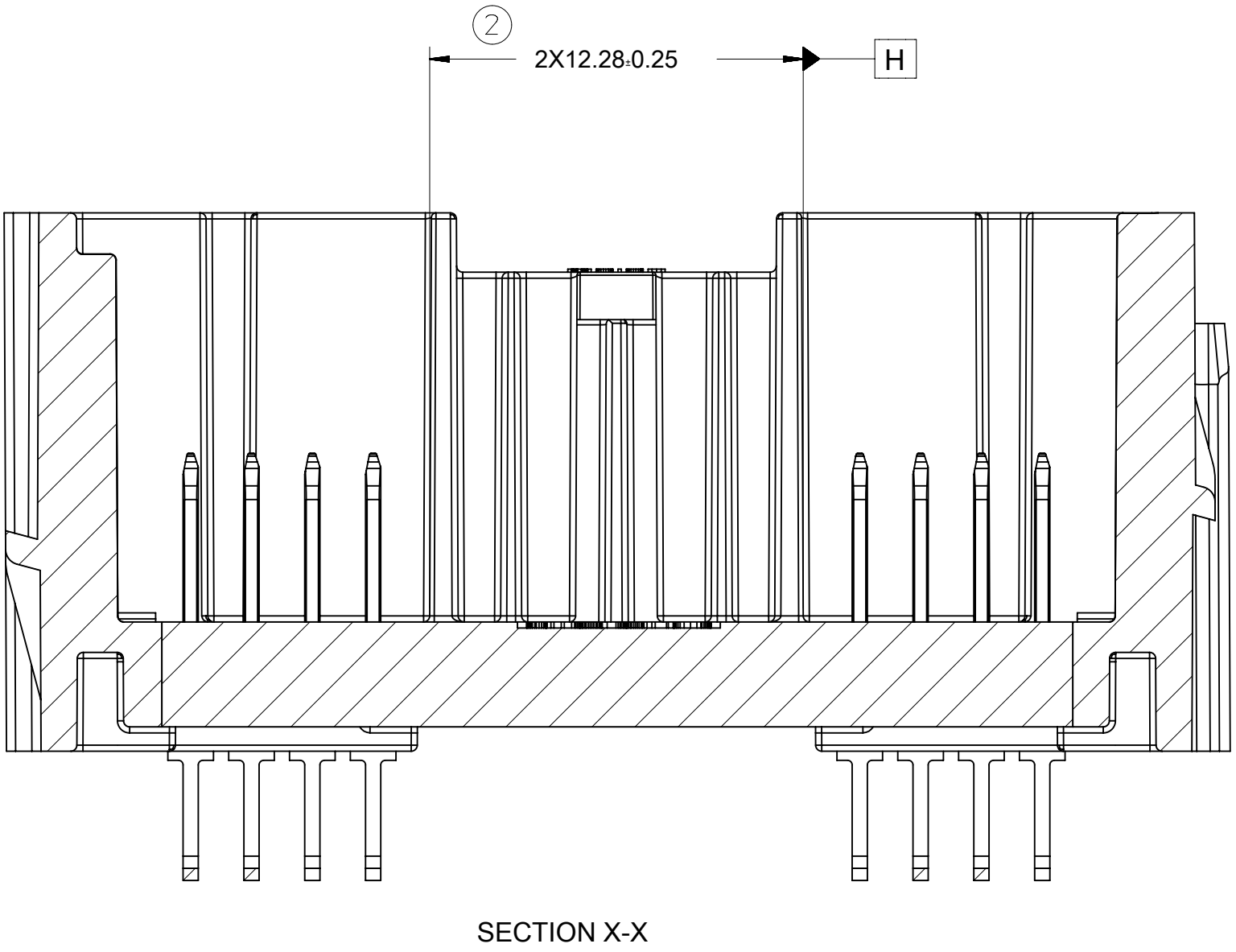
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 668374 DRWN: SWU31 CHK'D: CDZHANG APPR: CDZHANG INITIAL REVISION: DRWN: JFISCHER01 APPR: KDEKOSKI				molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING							
		mm		3:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL								±		°					
		4 PLACES		±								2021/06/29					
3 PLACES		±				2021/07/01											
2 PLACES		±				2021/07/01											
1 PLACE		±															
0 PLACES		±				2012/11/21											
						2012/12/21											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						D-SIZE		34961		SD-34961-030		PSD		001		J4	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
												GENERAL MARKET				2 OF 5	

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

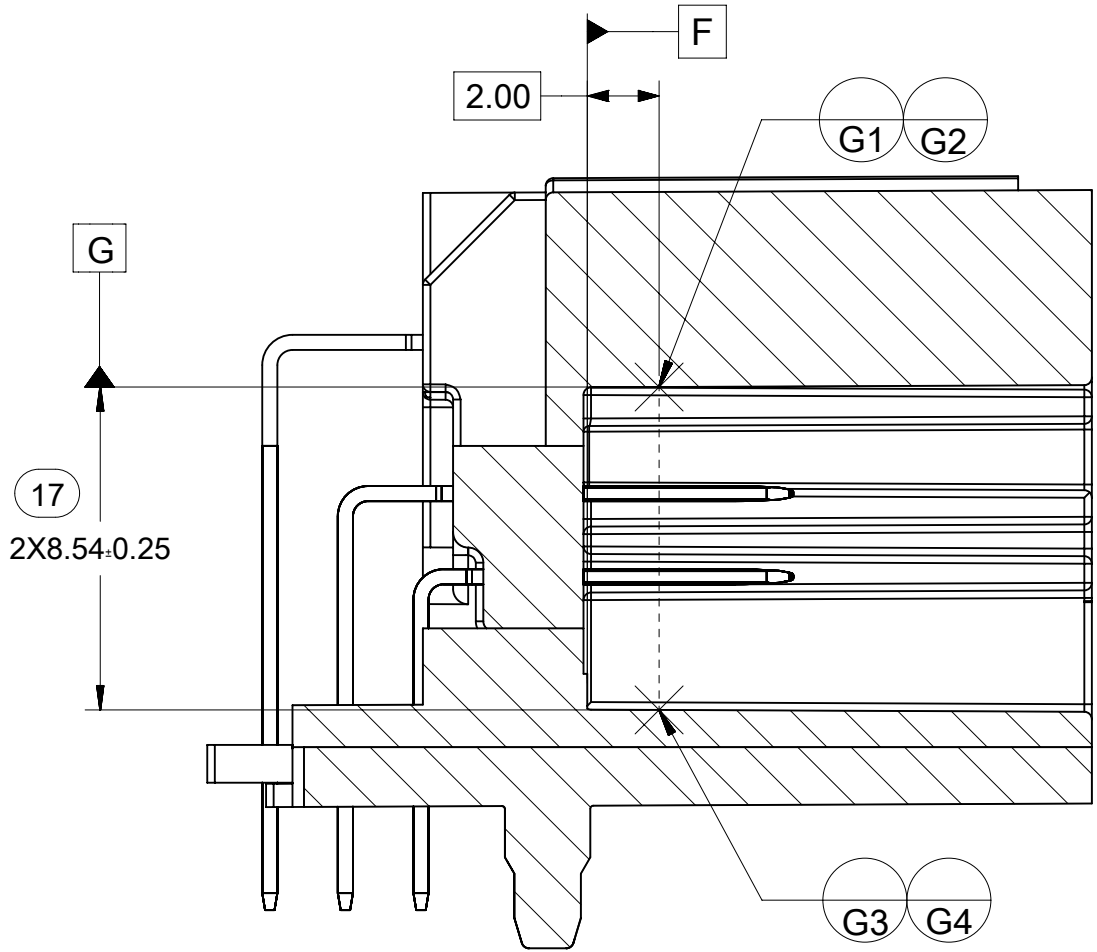


FUNCTIONAL SYMBOLS F A = 0 F C = 0 F P = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
	DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING							
	mm		5:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL ± °				EC NO: 668374														
4 PLACES ±				DRWN: SWU31						2021/06/29								
3 PLACES ±				CHK'D: CDZHANG						2021/07/01								
2 PLACES ±				APPR: CDZHANG						2021/07/01								
1 PLACE ±				INITIAL REVISION:														
0 PLACES ±				DRWN: JFISCHER01						2012/11/21								
				APPR: KDEKOSKI						2012/12/21								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER			CUSTOMER			SHEET NUMBER		
						D-SIZE		34961					GENERAL MARKET			3 OF 5		

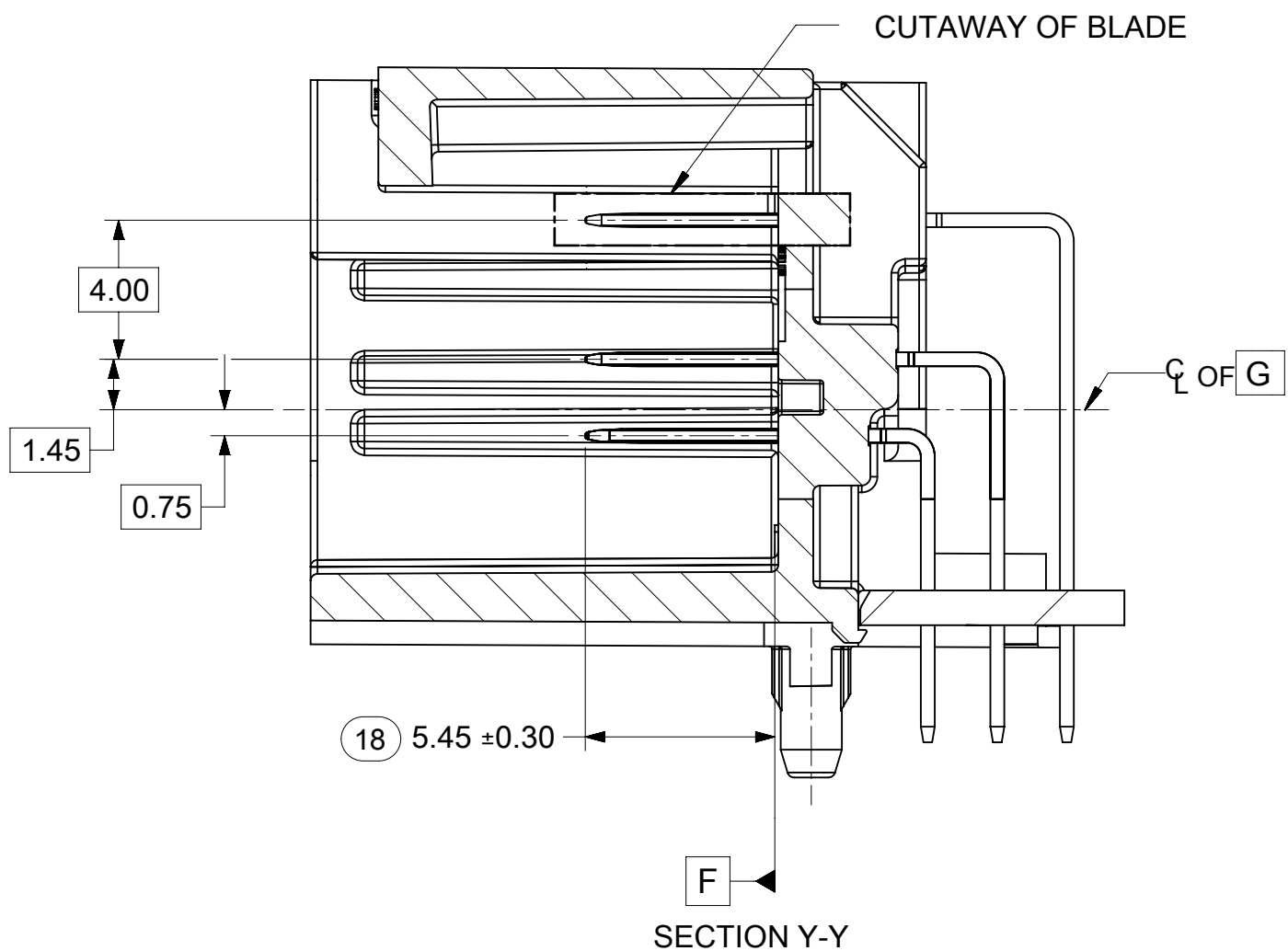
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
4	DETAIL DIMENSION VIEW



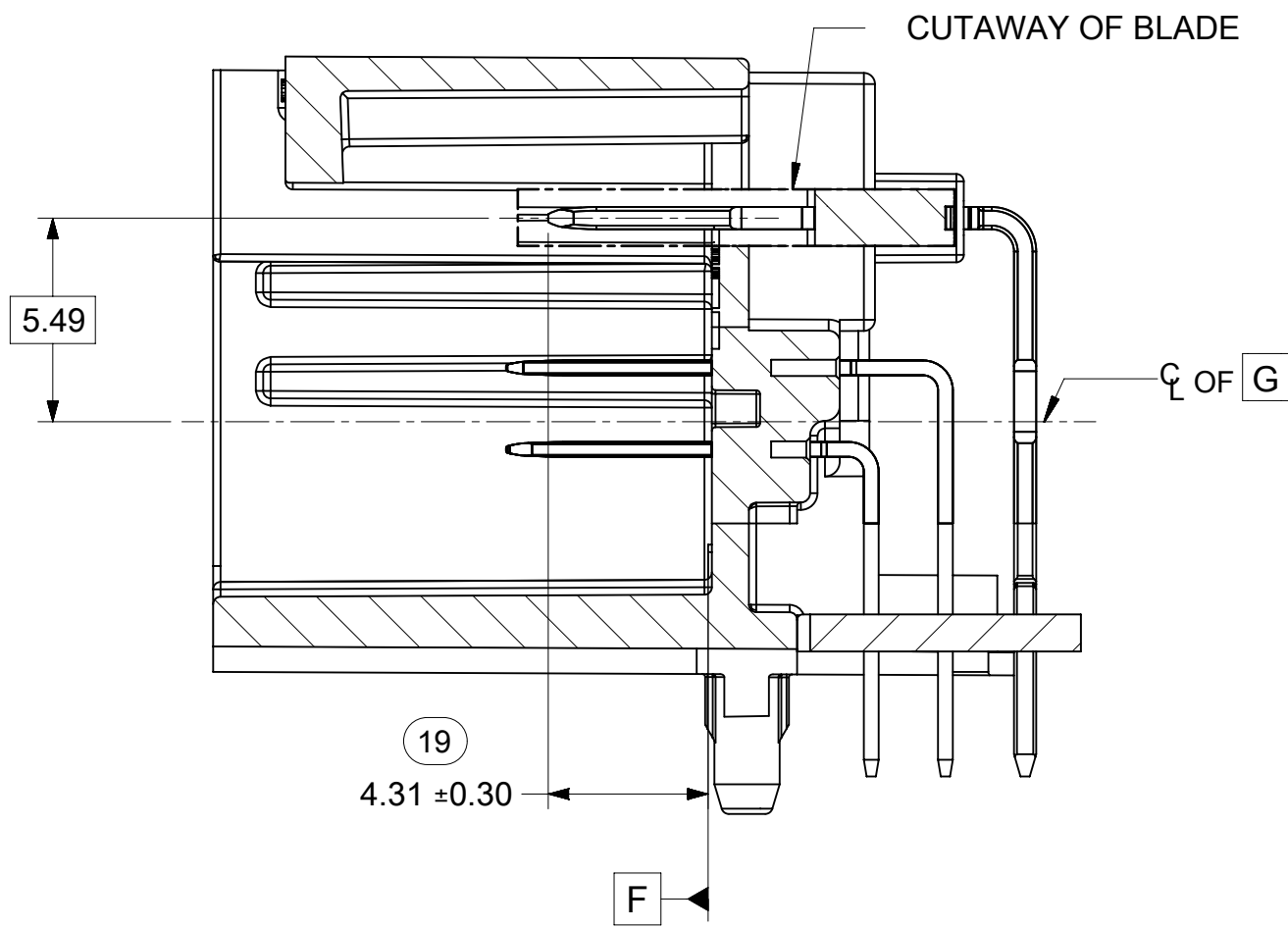
SECTION X-X



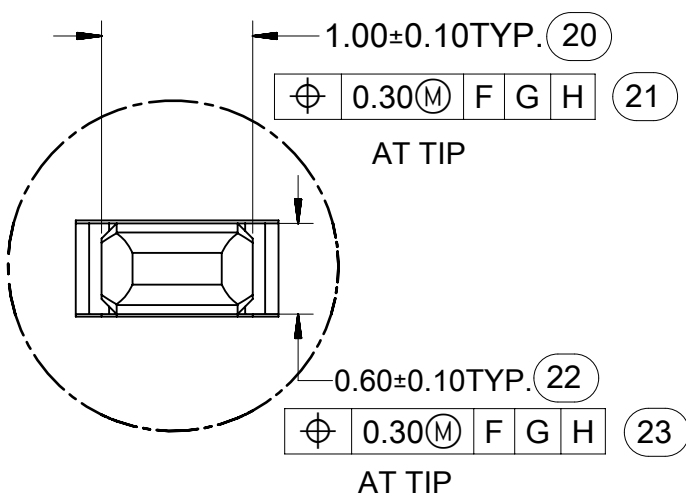
SECTION Z-Z



SECTION Y-Y

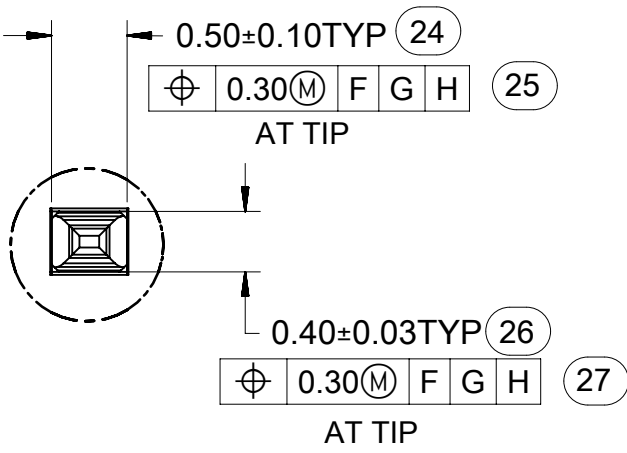


SECTION W-W



DETAIL 1

SCALE 20:1



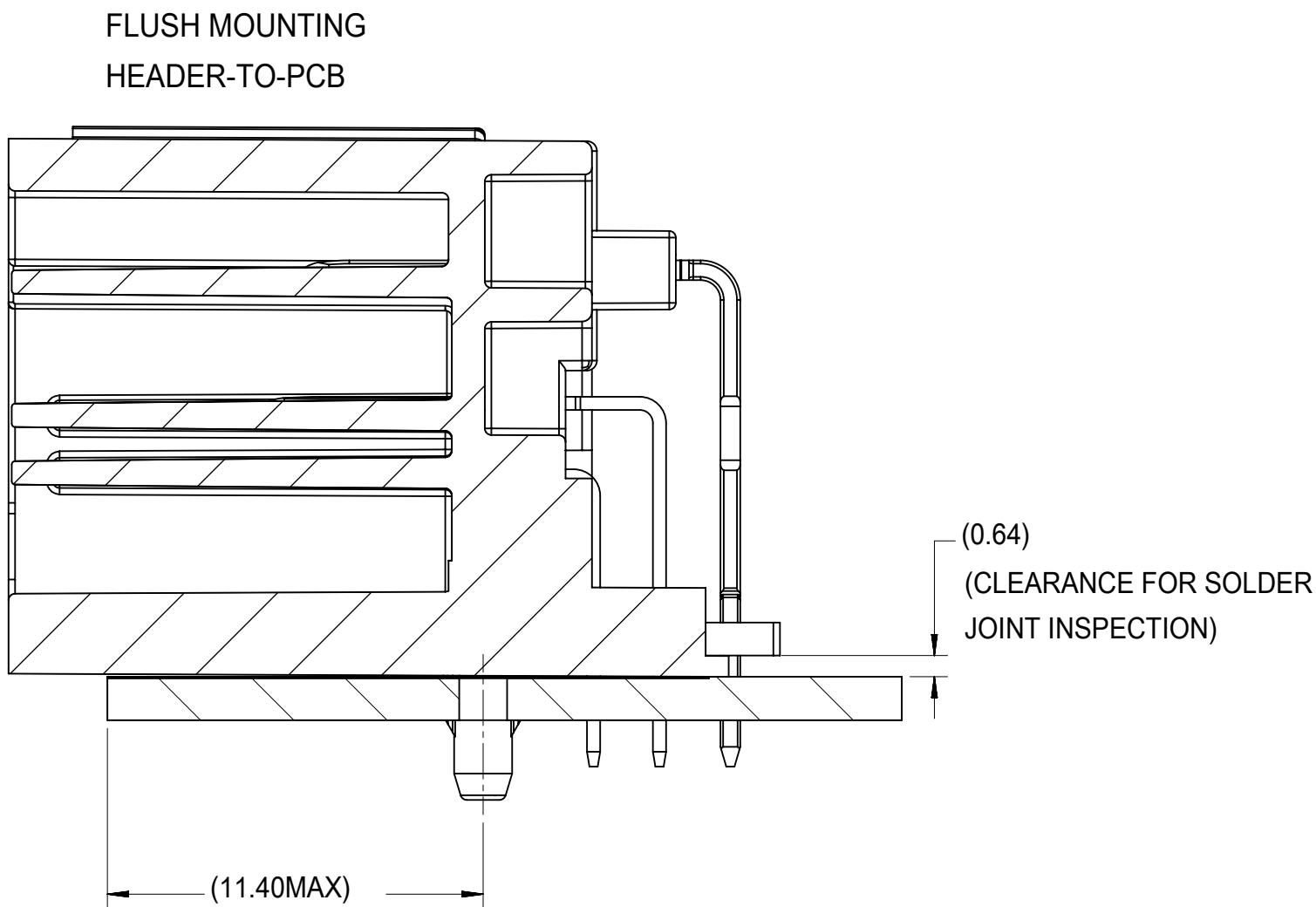
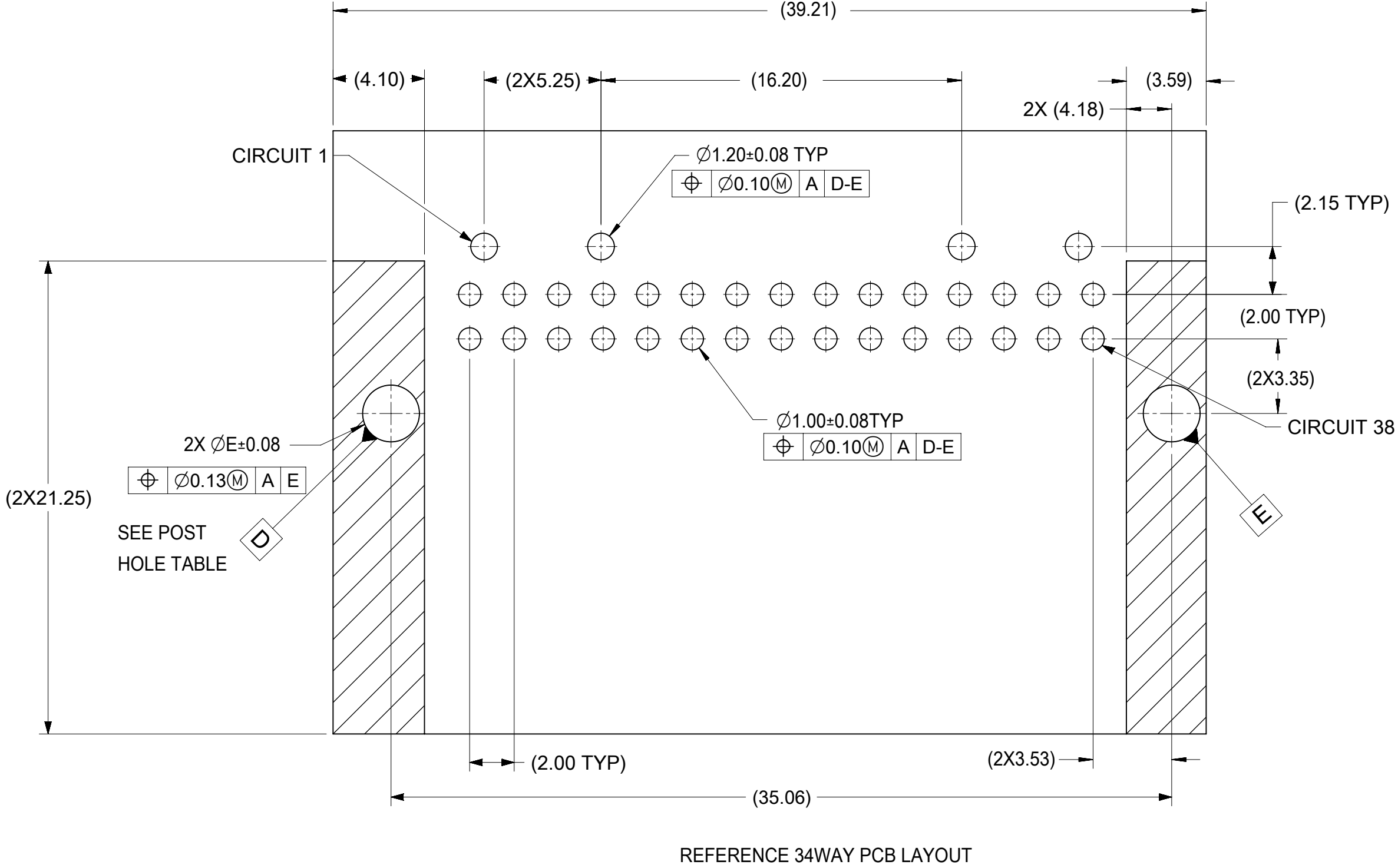
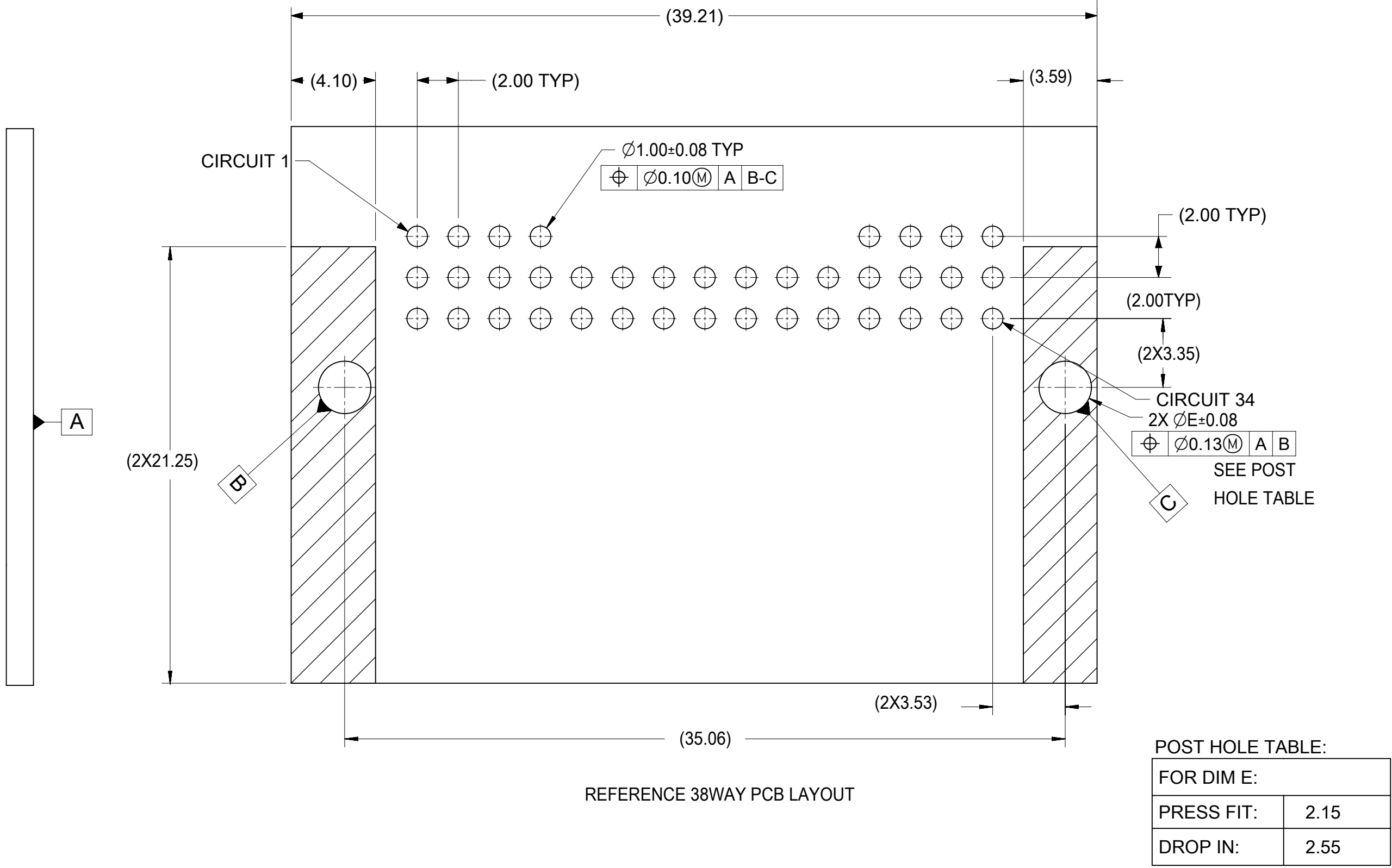
DETAIL 2

SCALE 20:1

FUNCTIONAL SYMBOLS A = 0 E = 0 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:				molex 34 & 38CKT MINI50 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING						
	mm		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± °				EC NO: 668374				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER DOC TYPE DOC PART REVISION SD-34961-030 PSD 001 J4						
	4 PLACES		±		DRWN: SWU31 2021/06/29										
	3 PLACES		±		CHK'D: CDZHANG 2021/07/01										
	2 PLACES		±		APPR: CDZHANG 2021/07/01										
	1 PLACE		±		INITIAL REVISION:				DOCUMENT NUMBER DOC TYPE DOC PART REVISION SD-34961-030 PSD 001 J4						
	0 PLACES		±		DRWN: JFISCHER01 2012/11/21										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		34961				GENERAL MARKET		4 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/01	04:00:23
-----------------	----	--------------	------------	----------

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
5	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:			molex						
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL		± °		EC NO: 668374 DRWN: SWU31 2021/06/29 CHK'D: CDZHANG 2021/07/01 APPR: CDZHANG 2021/07/01 INITIAL REVISION: DRWN: JFISCHER01 2012/11/21 APPR: KDEKOSKI 2012/12/21			DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION	
	4 PLACES		±					SD-34961-030			PSD	001	J4	
3 PLACES		±		MATERIAL NUMBER				CUSTOMER			SHEET NUMBER			
2 PLACES		±												
1 PLACE		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 34961			
0 PLACES		±												