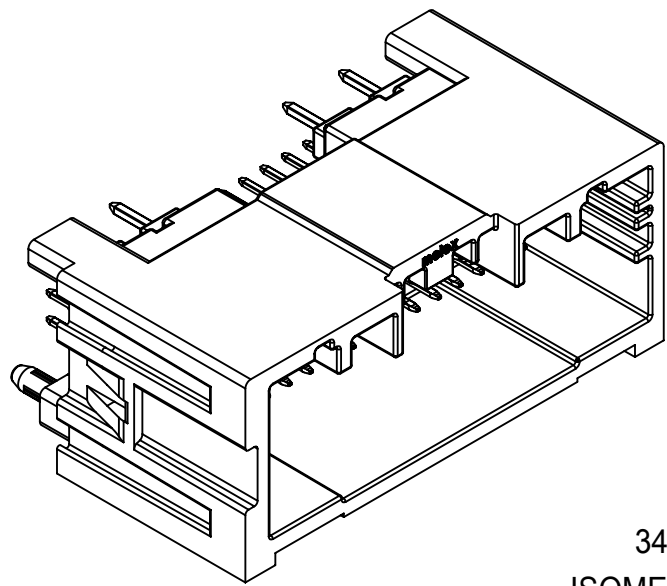
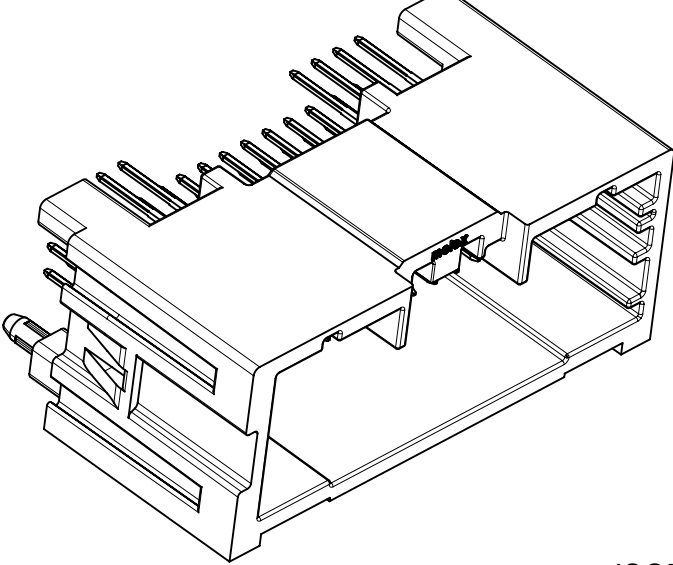
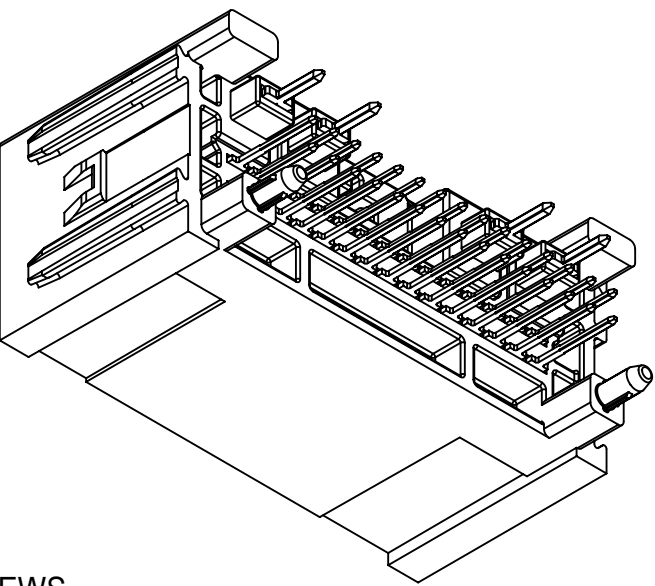


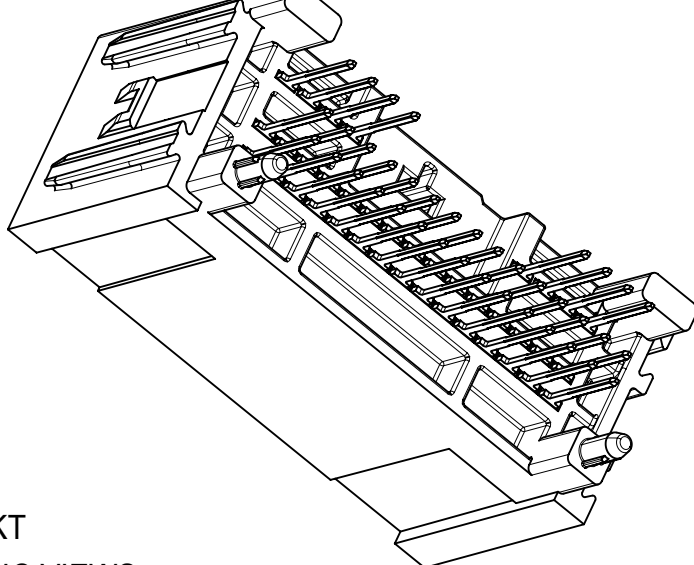
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TABLE OF CONTENTS																				
SHEET NO.	SHEET DESCRIPTION																			
1	NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, HEADER ASSEMBLY TABLE, ISOMETRIC VIEW																			
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW																			
3	DETAIL DIMENSION VIEW																			
4	REFERENCE PCB LAYOUT																			



34CKT
ISOMETRIC VIEWS
SCALE 2:1



38CKT
ISOMETRIC VIEWS
SCALE 2:1



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 REV. 6

SOLDERABILITY = SMES-152

- b. REFERENCE DOCUMENTS:

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

① 2. DESIGN MATERIALS:

- a. HEADER HSG (PLASTIC HOUSING):

HB RESIN - SPS

V0 RESIN - SPS

- b. 0.50mm BLADES:

BASE MATERIAL: BRASS

PLATING TYPE: AS NOTED

- c. 1.2mm BLADES:

BASE MATERIAL: BRASS

PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

- a. UNDERPLATING - OVERALL NICKEL

- b. OVERPLATING - OVERALL REFLOWED TIN

① 4. CROSS-HATCHED AREAS MAKE CONTACT WITH PCB

34&38CKT VERTICAL HEADER ASSEMBLY TABLE (FULL PINS)

MATERIAL NUMBER			CKT SIZE	FLAMMABILITY UL94	POL	COLOR	STATUS
TRAY PACKAGING PK-31302-070	TUBE PACKAGING PK-31301-688	TAPE AND REEL PK-47799-0001					
34958-0340	34958-7340	34958-8340	34	HB	A	BLACK	SALEABLE
34958-0341	34958-7341	34958-8341	34	HB	B	GREY	SALEABLE
34958-0342	34958-7342	34958-8342	34	HB	C	DK GREY	SALEABLE
34958-0380	34958-7380	34958-8380	38	HB	A	BLACK	OBSOLETED
34958-0381	34958-7381	34958-8381	38	HB	B	GREY	OBSOLETED
34958-0382	34958-7382	34958-8382	38	HB	C	DK GREY	OBSOLETED
34958-0383	34958-7383	34958-8383	38	HB	UPDATED A	BLACK	SALEABLE
34958-0384	34958-7384	34958-8384	38	HB	UPDATED B	GREY	SALEABLE
34958-0385	34958-7385	34958-8385	38	HB	UPDATED C	DK GREY	SALEABLE
2133820340	2133827340	2133828340	34	V0	A	BLACK	OK TO TOOL
2133820341	2133827341	2133828341	34	V0	B	GREY	OK TO TOOL
2133820342	2133827342	2133828342	34	V0	C	DK GREY	OK TO TOOL
2133820380	2133827380	2133828380	38	V0	UPDATED A	BLACK	OK TO TOOL
2133820381	2133827381	2133828381	38	V0	UPDATED B	GREY	OK TO TOOL
2133820382	2133827382	2133828382	38	V0	UPDATED C	DK GREY	OK TO TOOL

38CKT VERTICAL HEADER ASSEMBLY TABLE (DEPOPULATED PINS)

DESCRIPTION	MATERIAL NUMBER			POL	COLOR	PIN CONFIGURATION																STATUS	
	TRAY PACKAGING PK-31302-070	TUBE PACKAGING PK-31301-688	TAPE AND REEL PK-47799-0001			QTY OF PIN	1	2	3	4									5	6	7		8
							9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
38CKT MINI50 VERTICAL HEADER ASSEMBLY	34958-1380	34958-6380	TBD	UPDATED B	GREY	14	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	SALEABLE	
							-	-	X	X									-	X	X		-
							X	X	-	-	X	X	-	-	-	X	X	-	-	-	-		-

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER UP TO	0	1	3	6	10	15	22	30	40	53	70	90	120
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)															

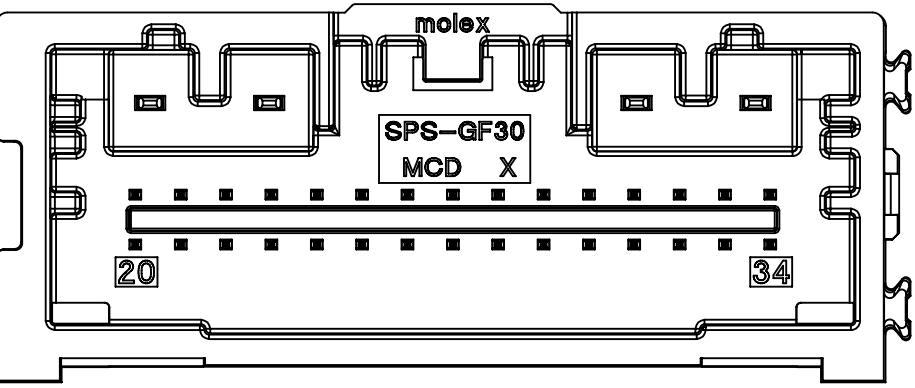
INSPECTION BALLOON NUMBER LOG	
PER DRAWING REVISION: D1	
LAST BALLOON NUMBER USED: 26	
ADDED BALLOON NUMBERS: 1a, 8 - 26	
REMOVED BALLOON NUMBERS:	

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/11	04:03:04
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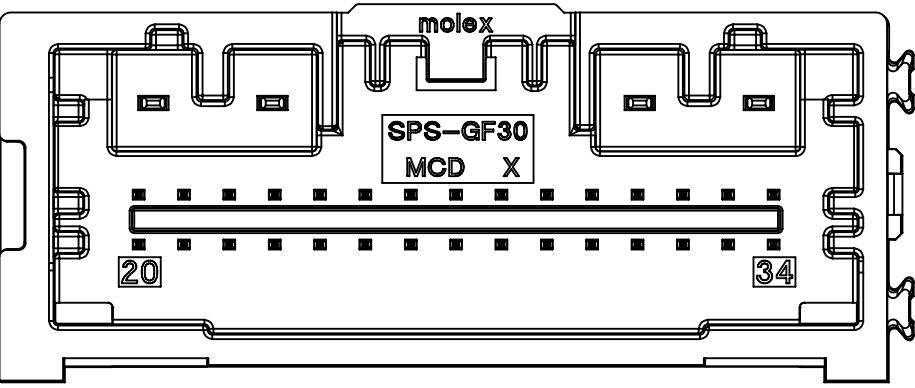
D1	1. SHEET 1: UPDATED NOTES INFORMATION 2. SHEET 3: ADDED DIM 1a, DIM8 - DIM26 3. SHEET 3: ADDED 'BEFORE SOLDERING ' NOTE TO DIM 1	672161
D	1. SHEET 1: UPDATED PRODUCT STATUS IN ASSEMBLY TABLE 2. SHEET 1: ADDED DEPOPULATED PINS AND V0 PART NUMBER IN ASSEMBLY TABLE 3. SHEET 1: UPDATED NOTES INFORMATION 4. SHEET 2: SHOWED 34&38CKT POLARIZATION OPTION AND HB / V0 VERSION DIFFERENCE 5. SHEET 3: UPDATED REFERENCE PCB LAYOUT DIMENSION 6. SHEET 3: REMOVED DIM 8 7. SHEET 3: DIM 1: 10.77±0.18 WAS 10.77(+0.13, -0.08)	633345
C1	UPDATED NEWEST VIEW OF THE POLARIZATION OPTION UPDATED A & B & C.	609591
C	ADDED NEW P/N IN THE BOM ON SHEET 1: 34958-0383 \ 34958-0384 \ 34958-0385\34958-7383\34958-7384\34958-7385\34958-8383\34958-8384\34958-8385.	10886111
REV	REV DESCRIPTION	ECN SAP NO.

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												
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex 34 & 38 CKT MINI50 VERTICAL HEADER ASSMEBLY SALES DRAWING					
	mm		2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 672161 DRWN: SWU31 2021/07/27 CHK'D: CDZHANG 2021/08/11 APPR: CDZHANG 2021/08/11			PRODUCT CUSTOMER DRAWING					
	ANGULAR TOL		± °										
	4 PLACES		±										
	3 PLACES		±										
	2 PLACES		±										
	1 PLACE		±		INITIAL REVISION: DRWN: JFISCHER01 2013/12/05 APPR: RBAUMAN 2014/02/19			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	0 PLACES		±					SD-34958-300		PSD	001	D1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE	34958			GENERAL MARKET		1 OF 4	

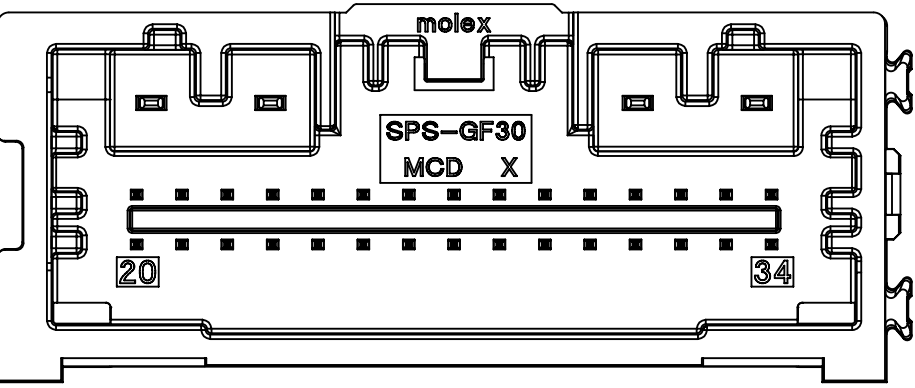
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
2	34&38CKT POLARIZATION OPTION VIEW, HB/V0 HEADER DIFFERENCE VIEW



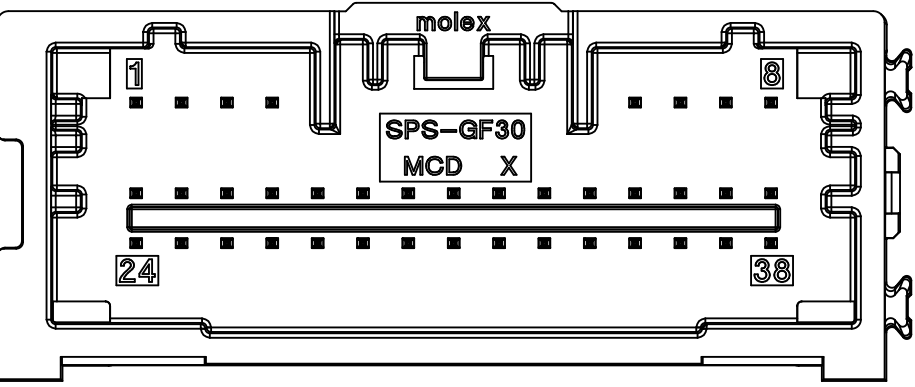
34CKT POLARIZATION OPTION 'A'



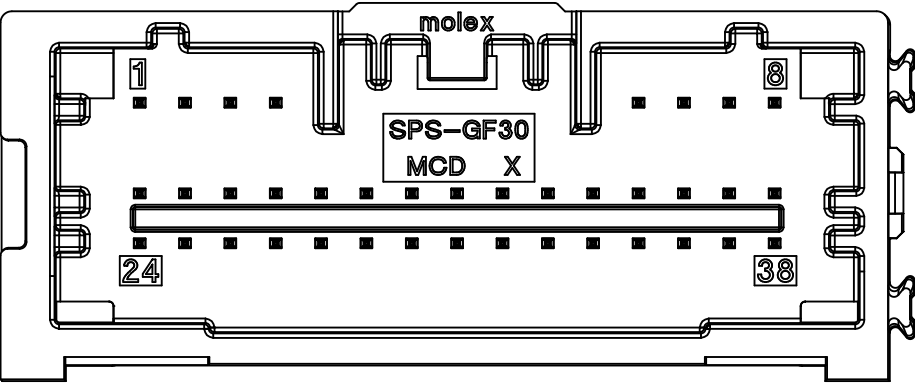
34CKT POLARIZATION OPTION 'B'



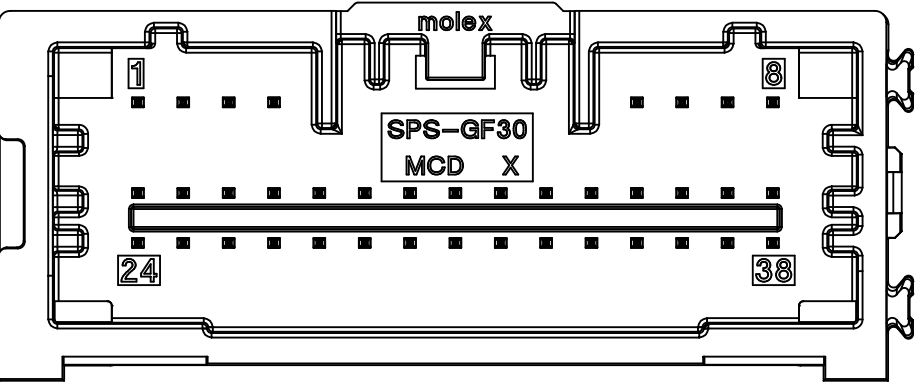
34CKT POLARIZATION OPTION 'C'



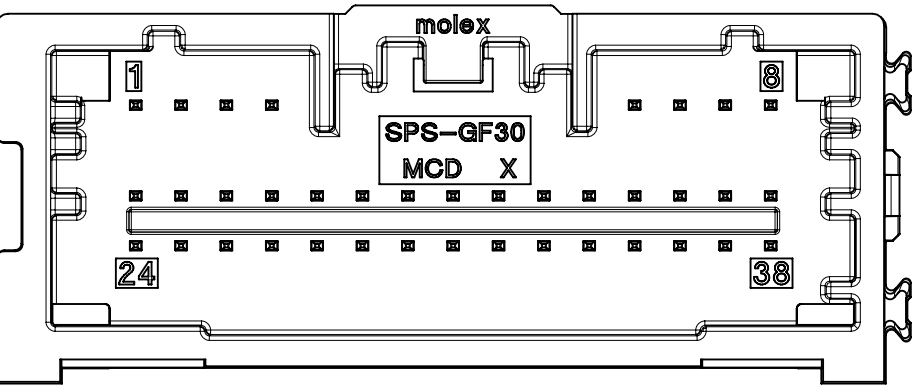
38CKT POLARIZATION OPTION 'A'



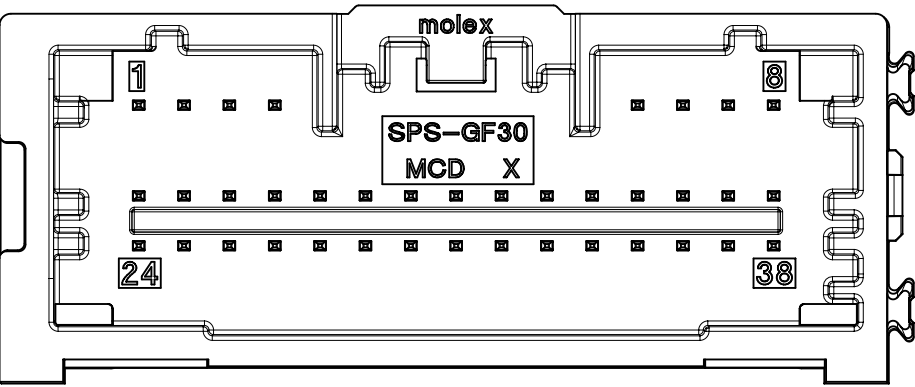
38CKT POLARIZATION OPTION 'B'



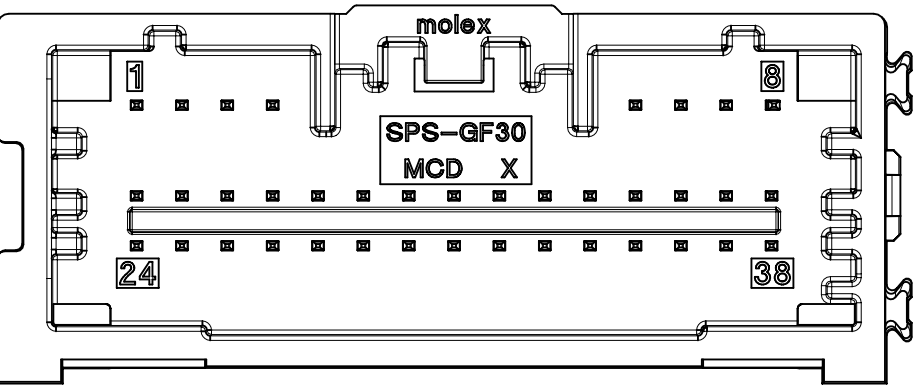
38CKT POLARIZATION OPTION 'C'



38CKT POLARIZATION OPTION 'UPDATED A'

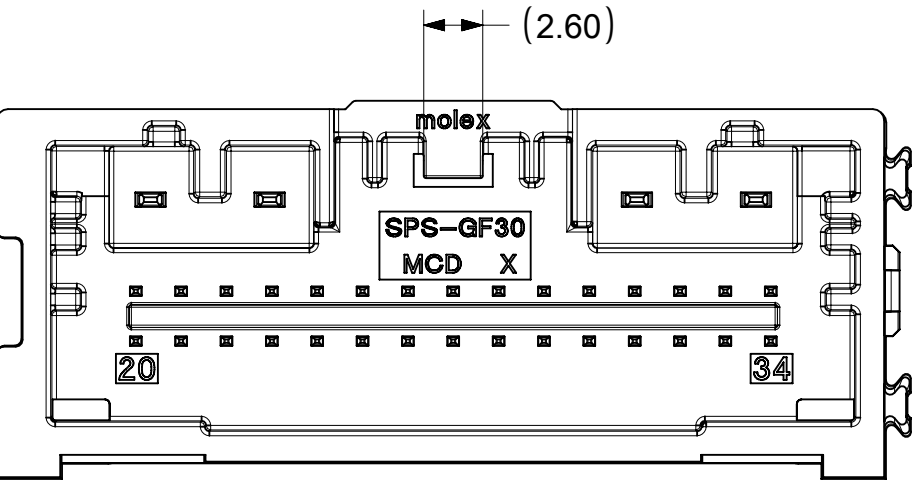


38CKT POLARIZATION OPTION 'UPDATED B'

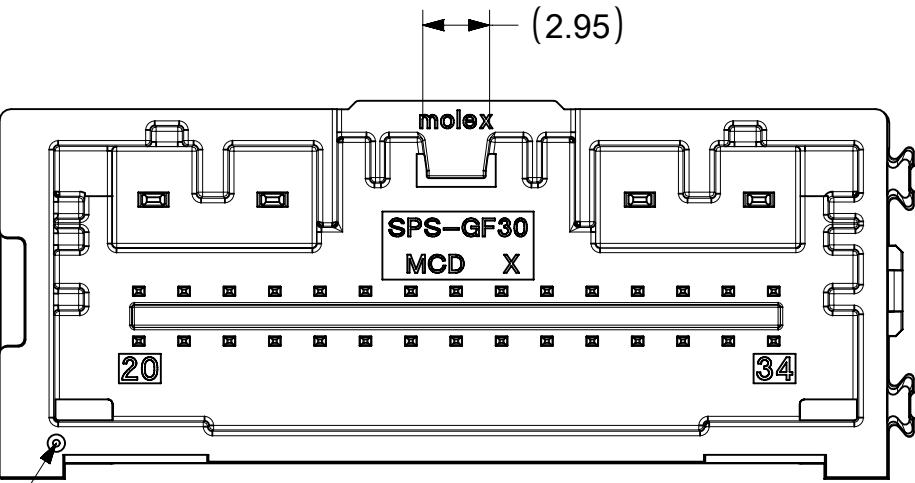


38CKT POLARIZATION OPTION 'UPDATED C'

HB / V0 VERSION DIFFERENCE



HB P/Ns: 34958XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

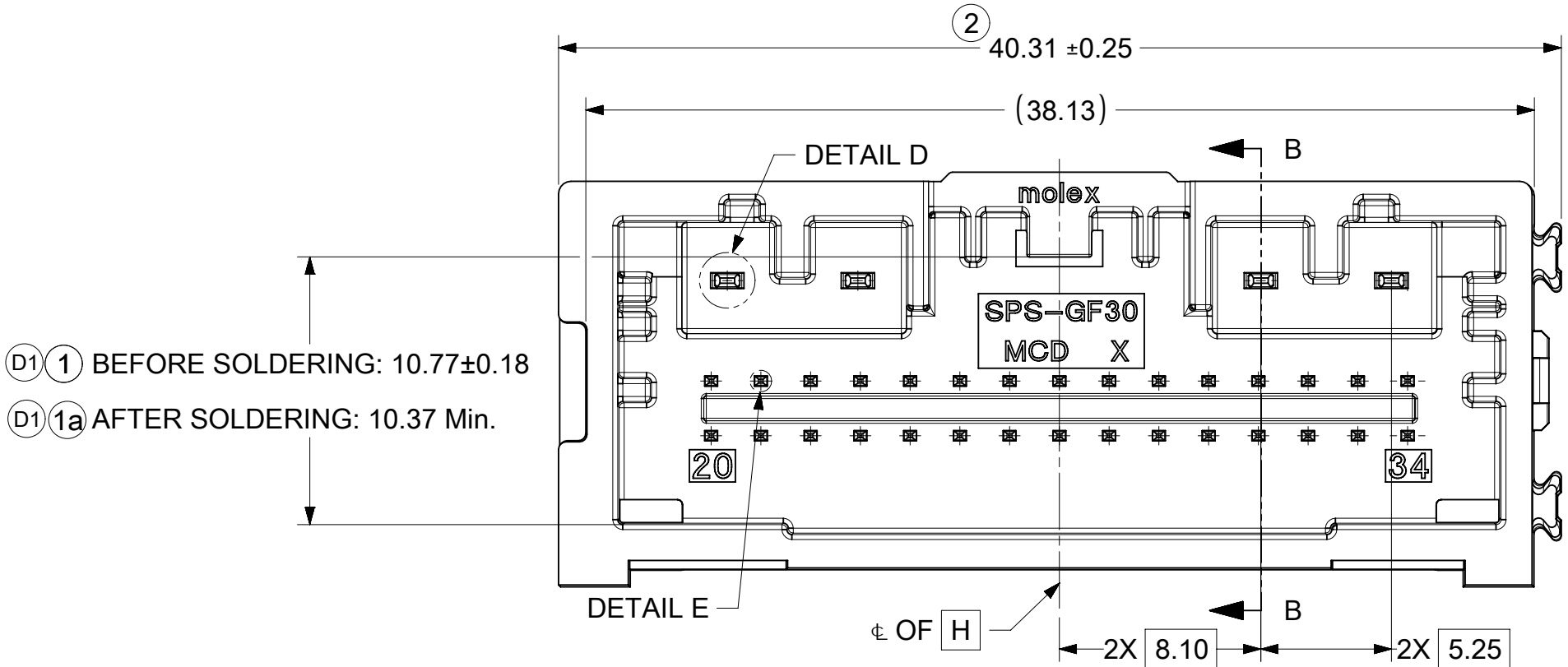


DEPRESSION FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART

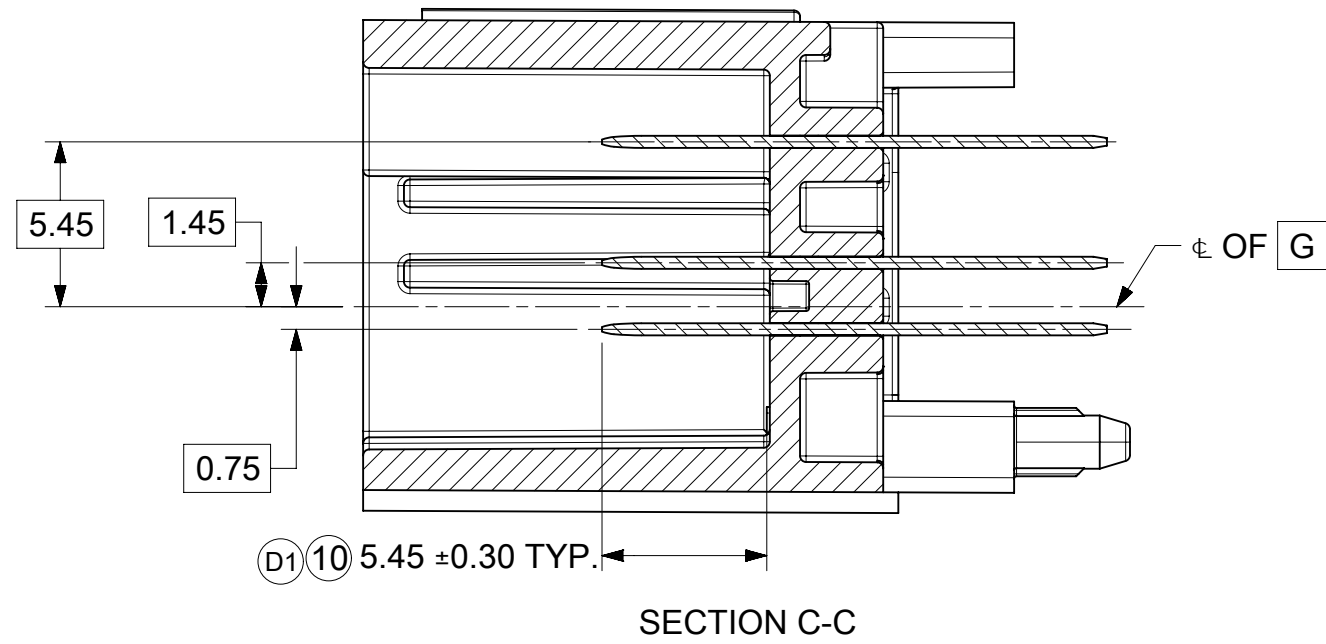
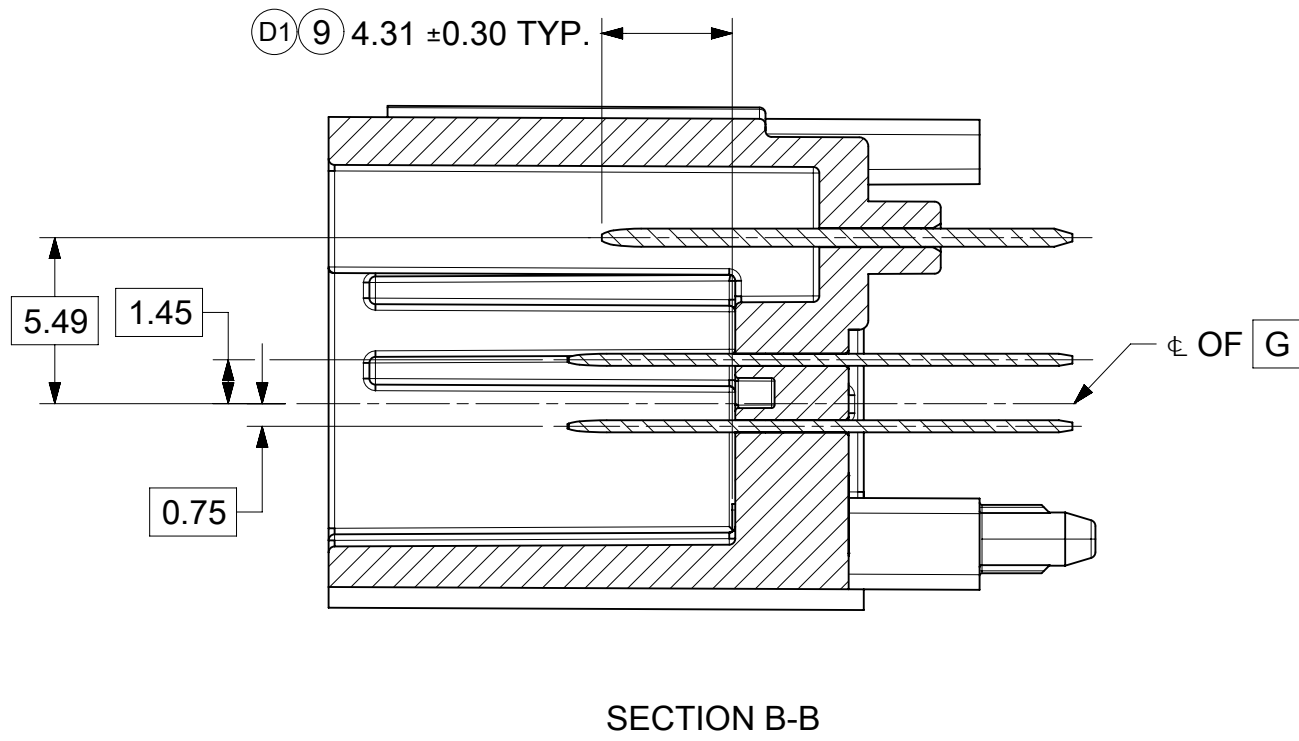
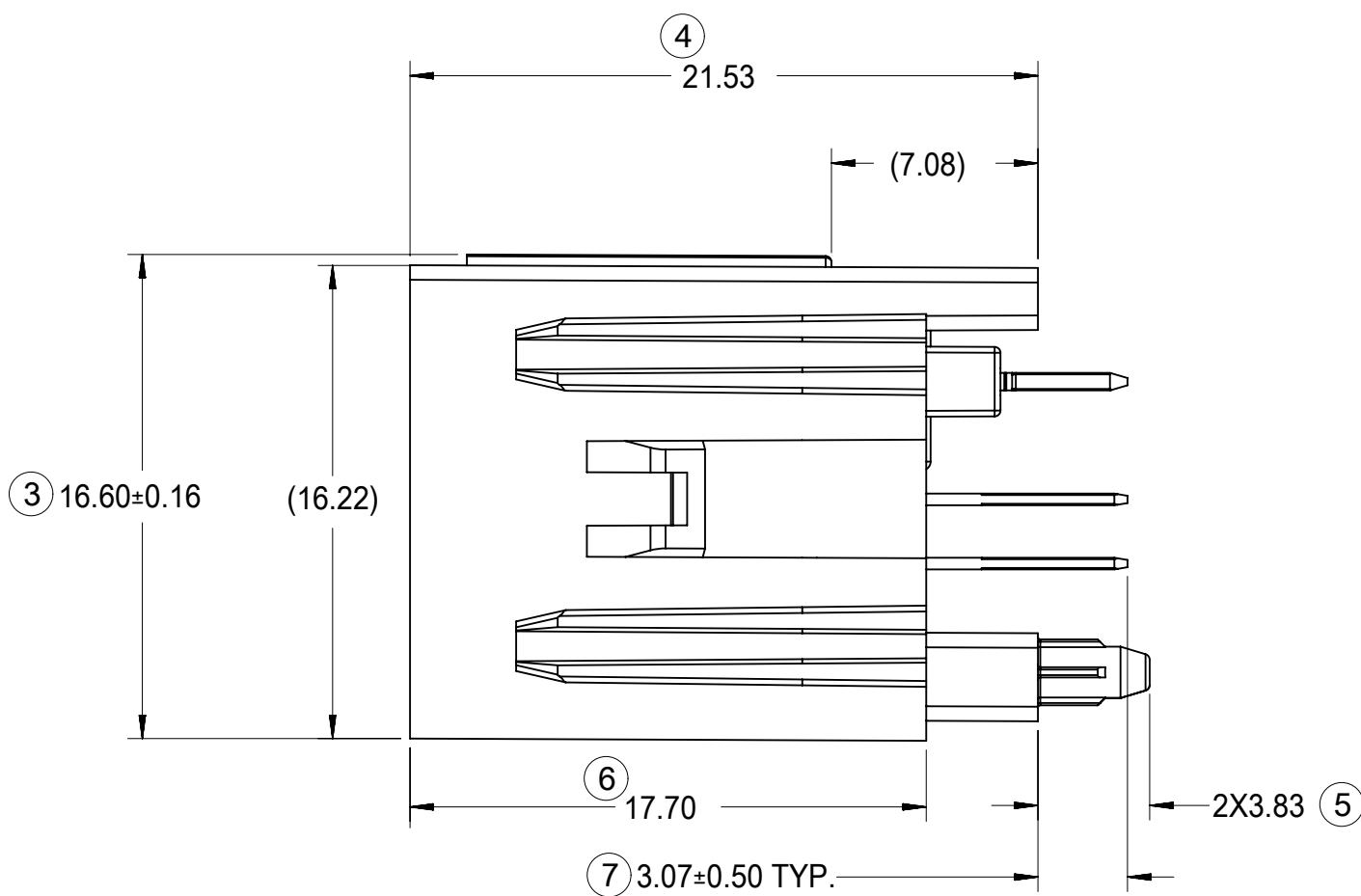
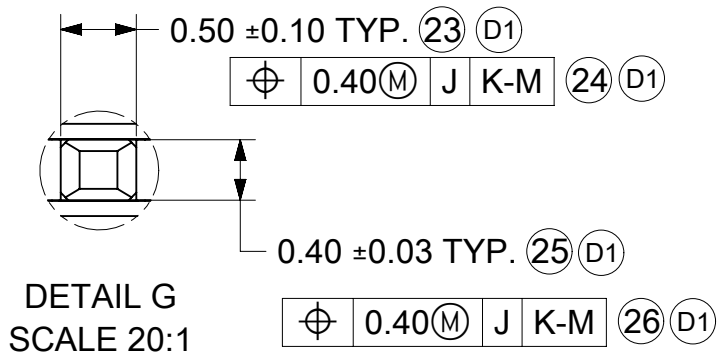
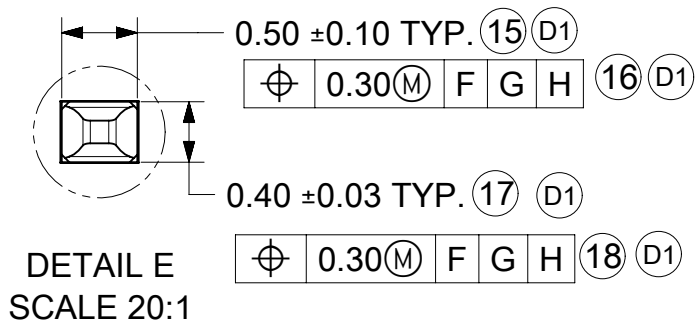
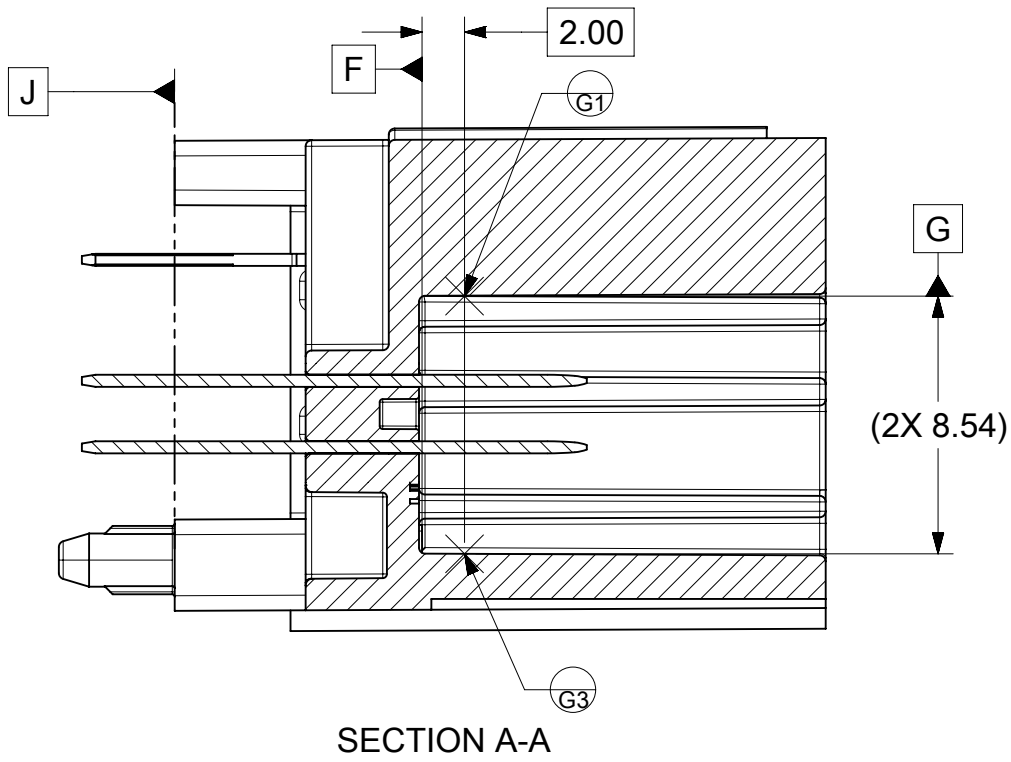
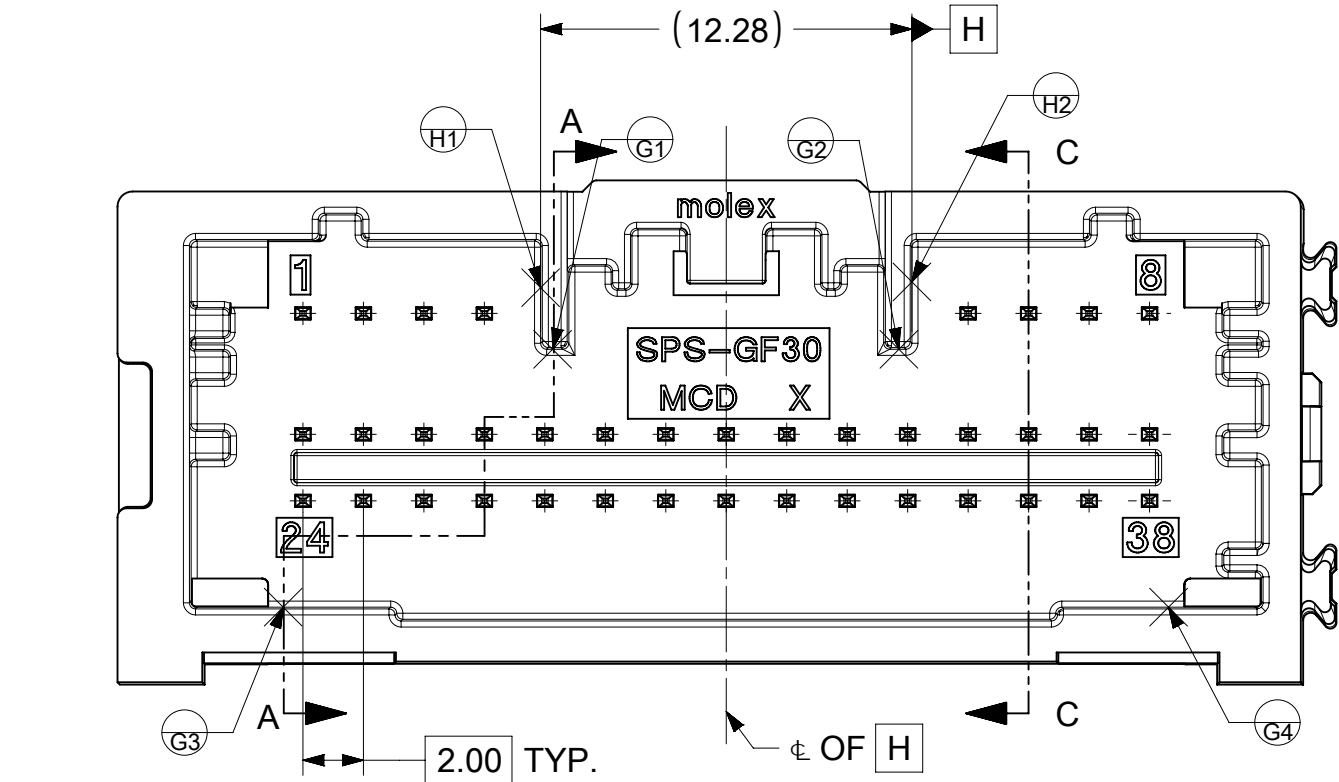
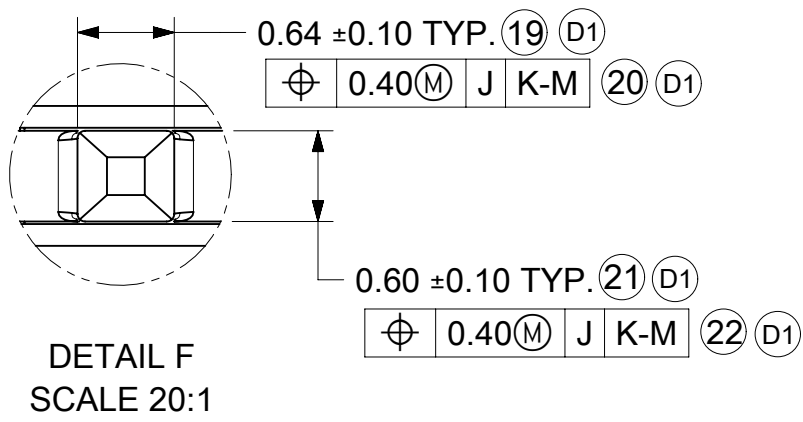
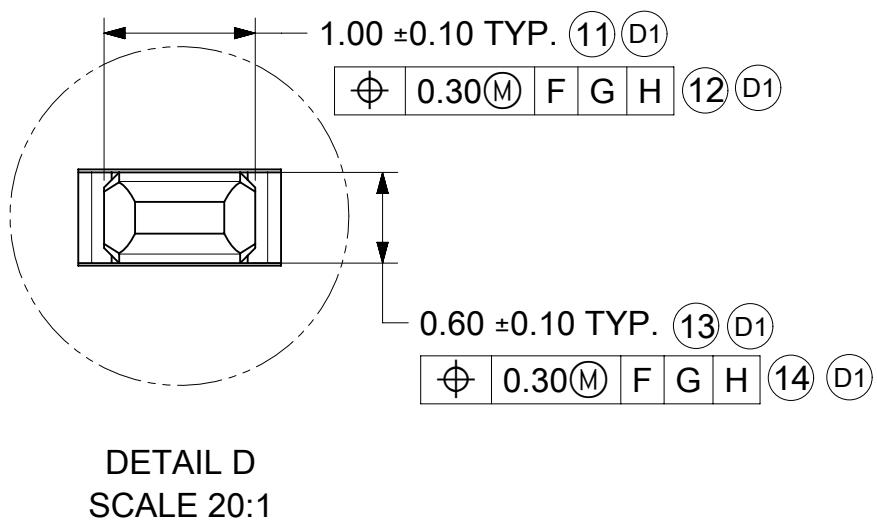
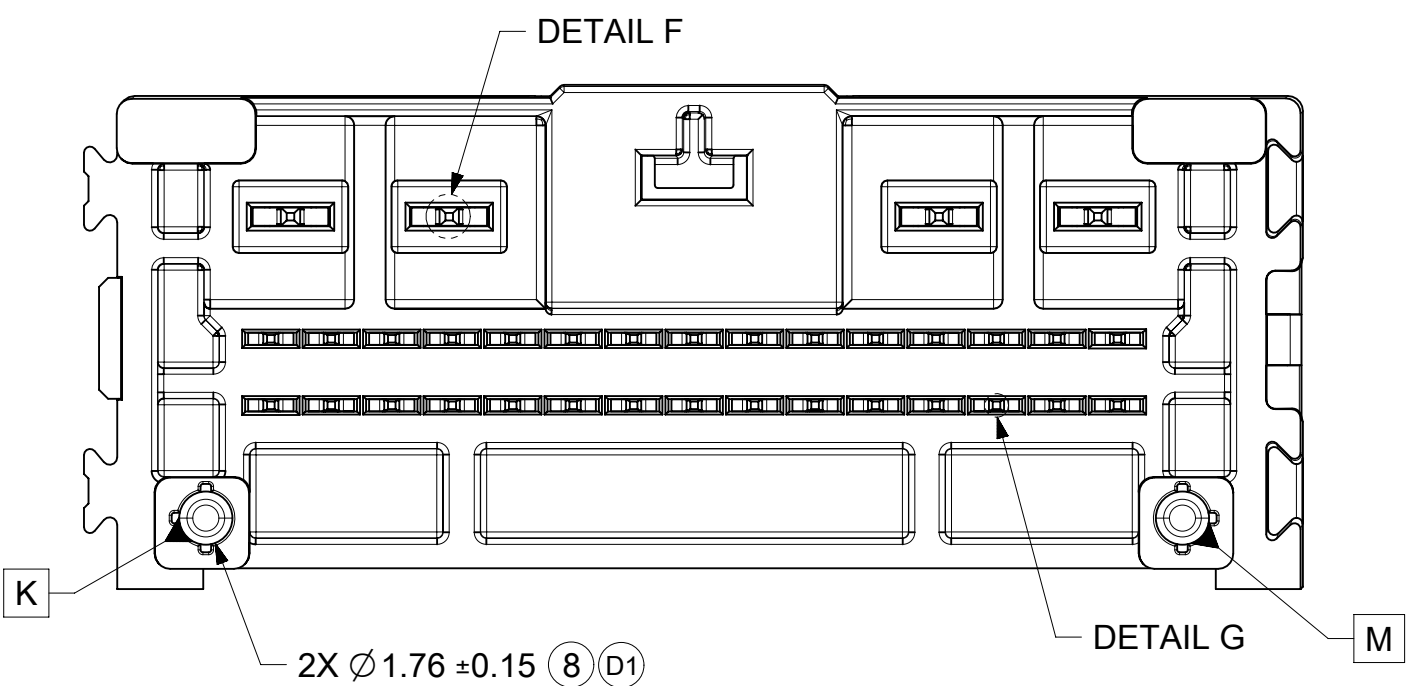
V0 P/Ns: 213382XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

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		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
	mm	3:1	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	ANGULAR TOL ± °		
4 PLACES ±		EC NO: 672161	PRODUCT CUSTOMER DRAWING
3 PLACES ±		DRWN: SWU31 2021/07/27	
2 PLACES ±		CHK'D: CDZHANG 2021/08/11	
1 PLACE ±		APPR: CDZHANG 2021/08/11	DOCUMENT NUMBER
0 PLACES ±		INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: JFISCHER01 2013/12/05	DOC PART
THIRD ANGLE PROJECTION		APPR: RBAUMAN 2014/02/19	
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D540		D541	
D542		D543	2 OF 4
D544		D545	
D546		D547	2 OF 4
D548		D549	
D550		D551	2 OF 4
D552		D553	
D554		D555	2 OF 4
D556		D557	
D558		D559	2 OF 4
D560		D561	
D562		D563	2 OF 4
D564		D565	
D566		D567	2 OF 4
D568		D569	
D570		D571	2 OF 4
D572		D573	
D574		D575	2 OF 4
D576		D577	
D578		D579	2 OF 4
D580		D581	
D582		D583	2 OF 4
D584		D585	
D586			

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



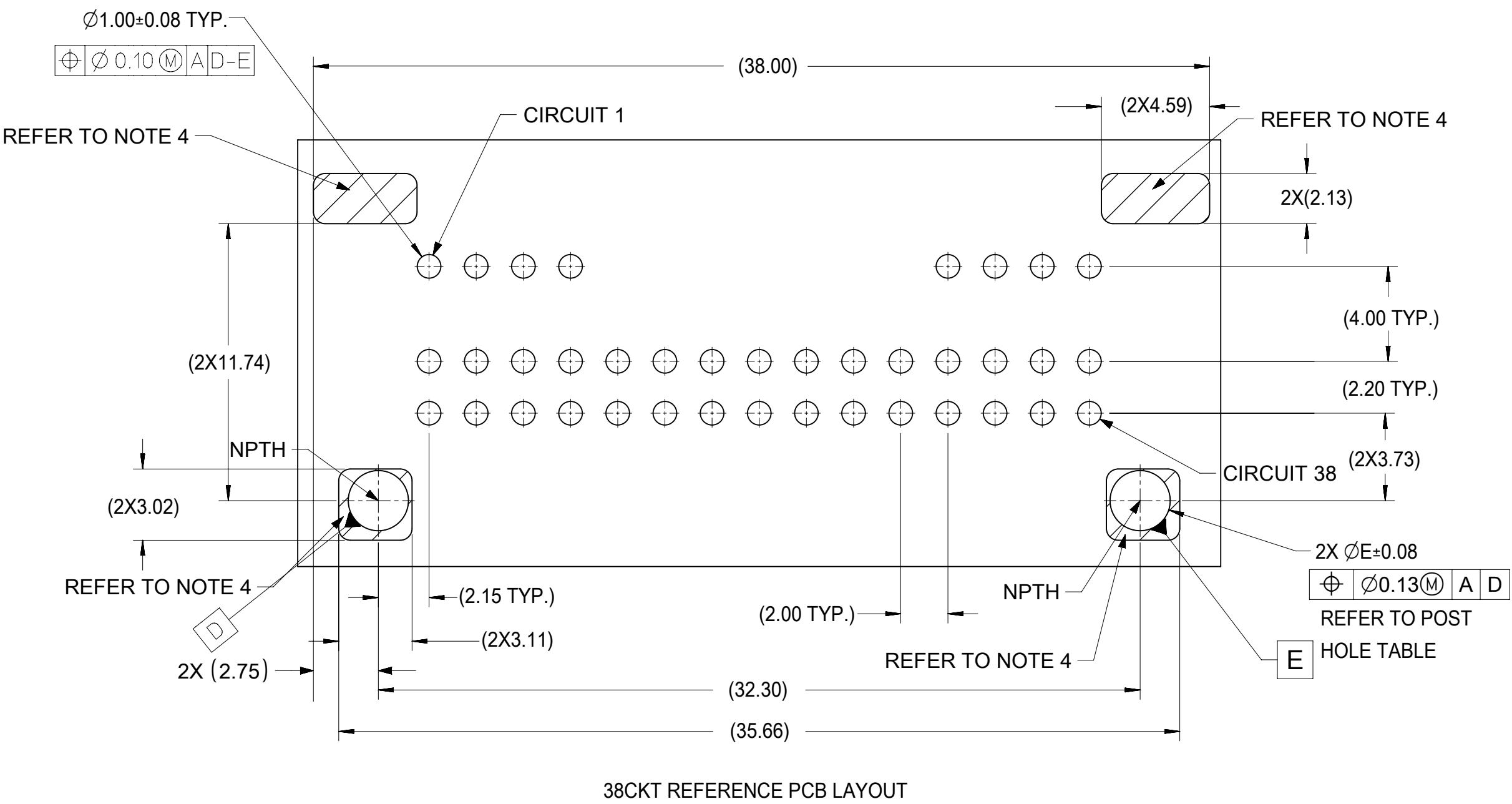
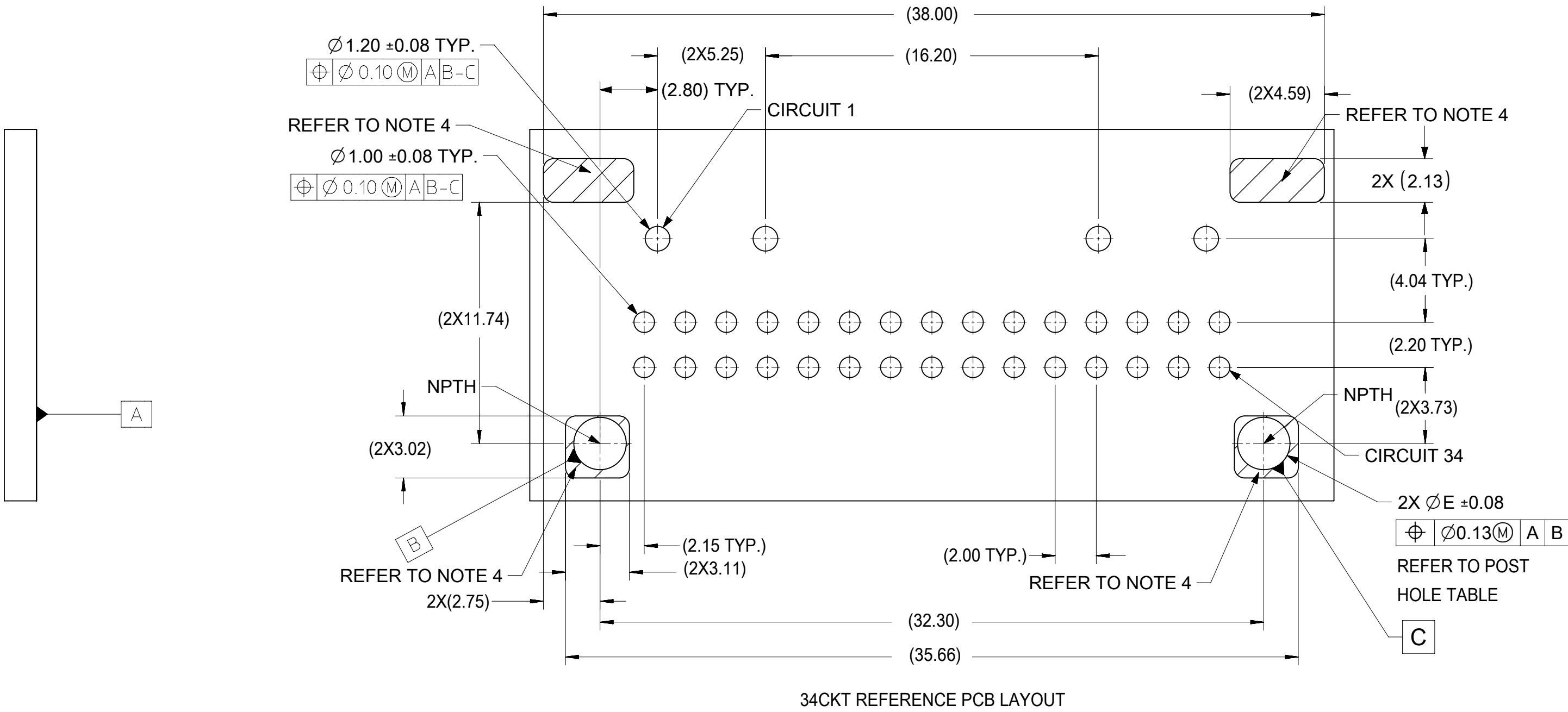
D1 1 BEFORE SOLDERING: 10.77±0.18
D1 1a AFTER SOLDERING: 10.37 Min.



FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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DOCUMENT STATUS	P1	RELEASE DATE	2021/08/11	04:03:04
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TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
4	REFERENCE PCB LAYOUT



POST HOLE TABLE:

FOR DIM E :	
PRESS FIT :	2.15
DROP IN :	2.55

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:			molex																	
	mm		1:1																						
	GENERAL TOLERANCES (UNLESS SPECIFIED)					EC NO: 672161 DRWN: SWU31 CHK'D: CDZHANG APPR: CDZHANG INITIAL REVISION: DRWN: JFISCHER01 APPR: RBAUMAN			2021/07/27 2021/08/11 2021/08/11 2013/12/05 2014/02/19			PRODUCT CUSTOMER DRAWING													
	ANGULAR TOL ± °																								
4 PLACES ±																									
3 PLACES ±																									
2 PLACES ±					DOCUMENT NUMBER			DOC TYPE			DOC PART			REVISION											
1 PLACE ±																									
0 PLACES ±					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION			DRAWING			SERIES			MATERIAL NUMBER			CUSTOMER			SHEET NUMBER		
								D-SIZE			34958														

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RELEASE DATE

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