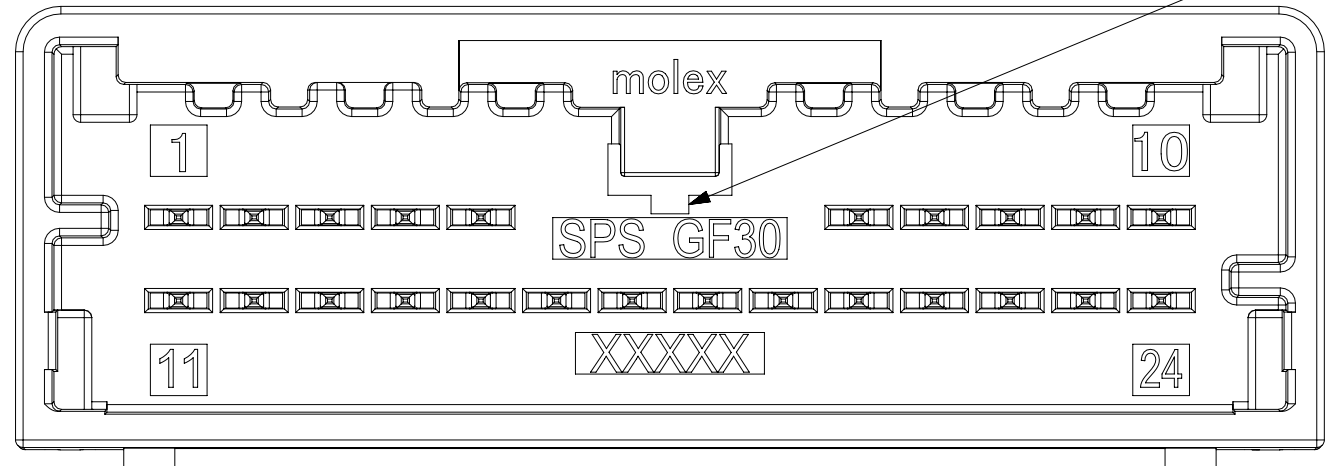
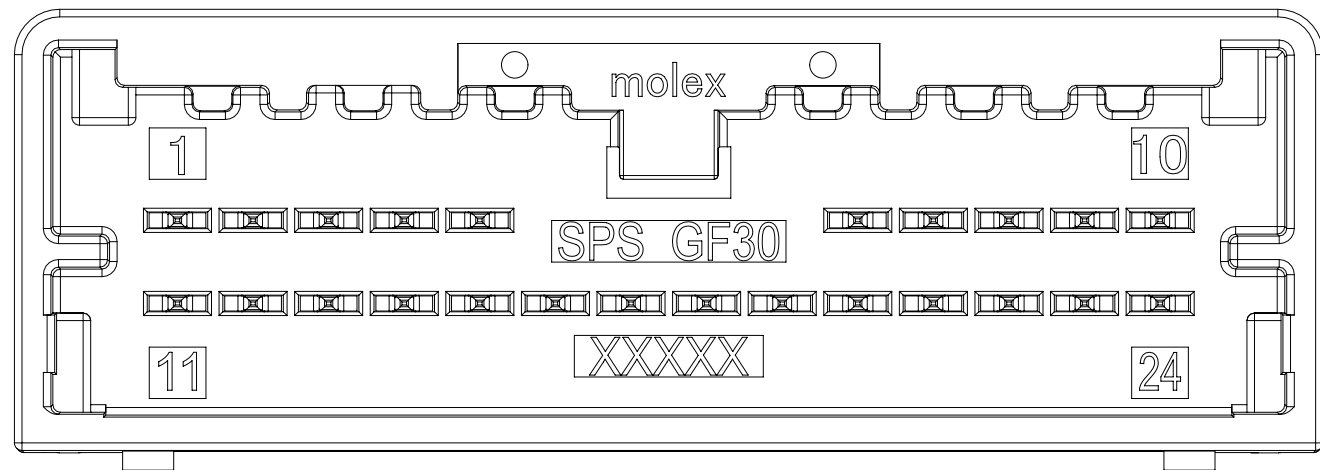
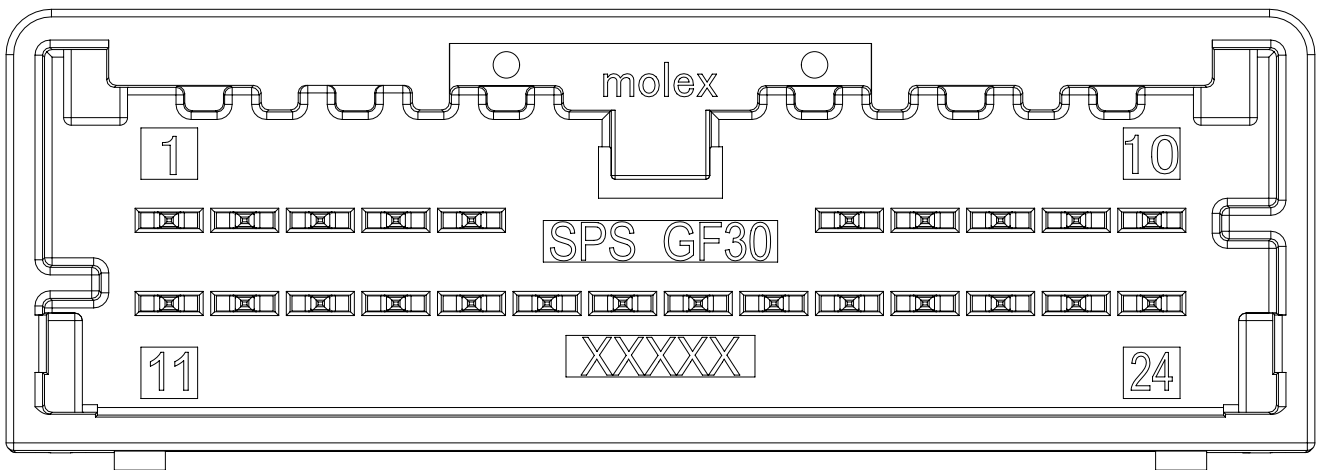
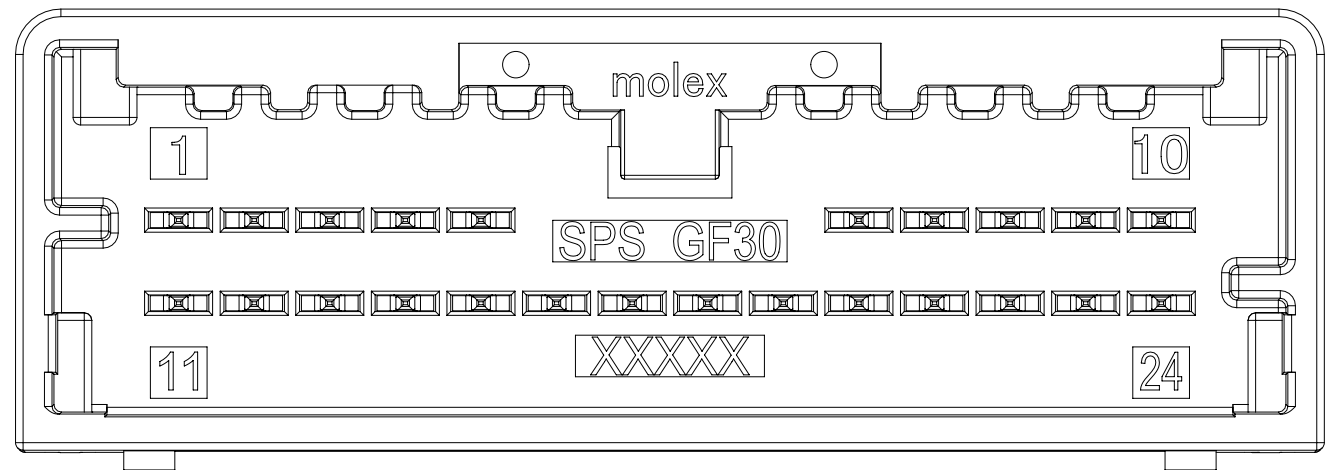
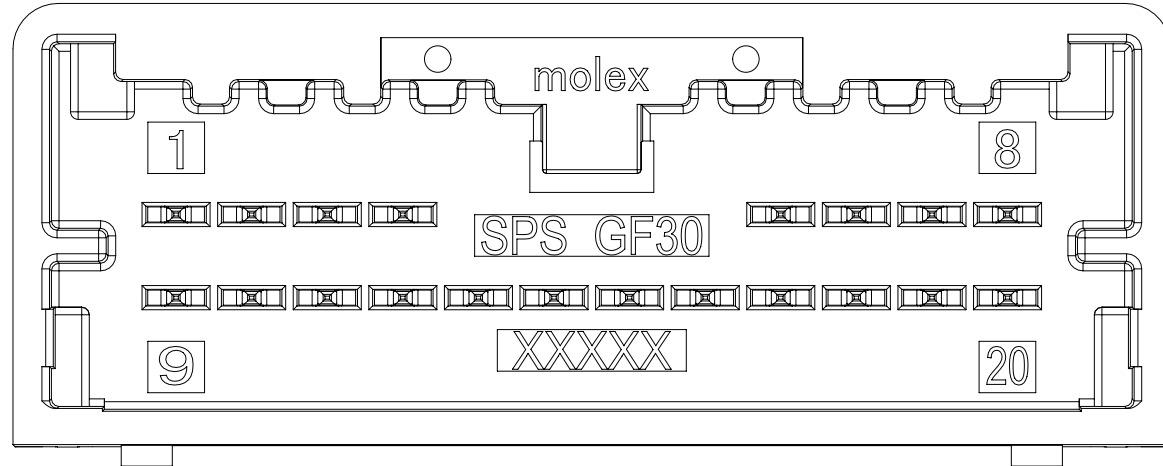
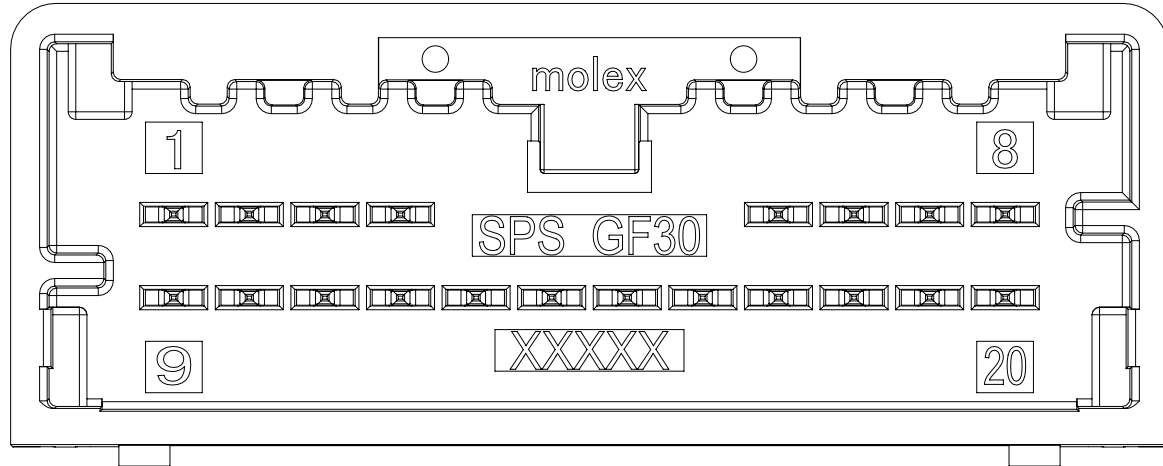
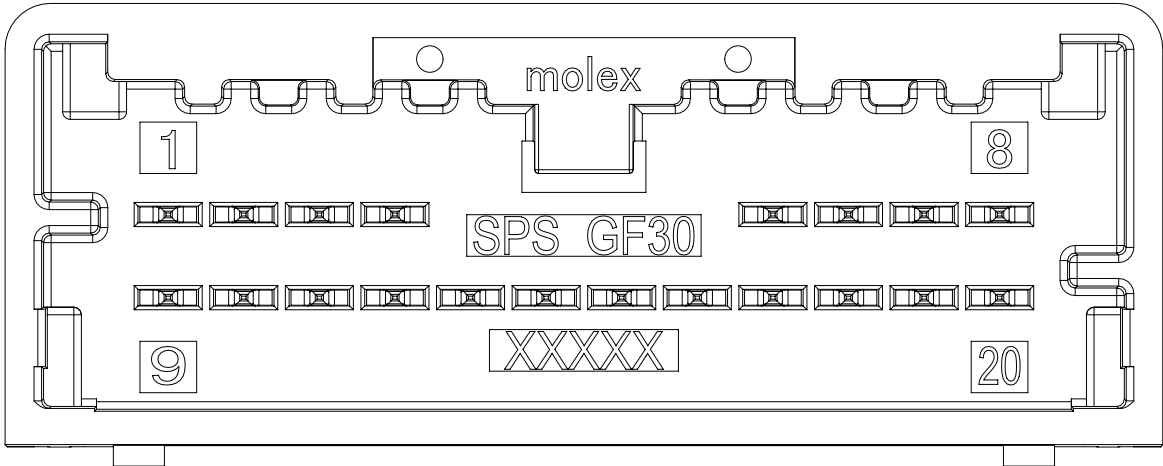
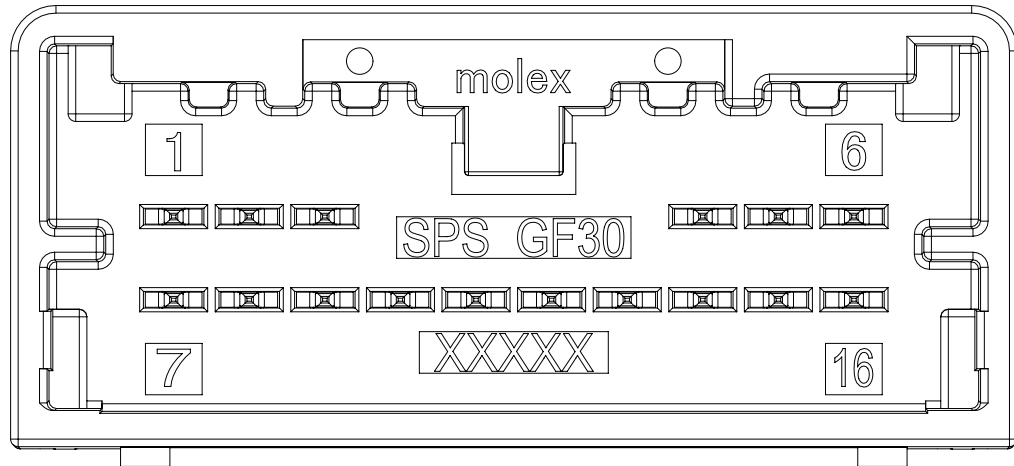
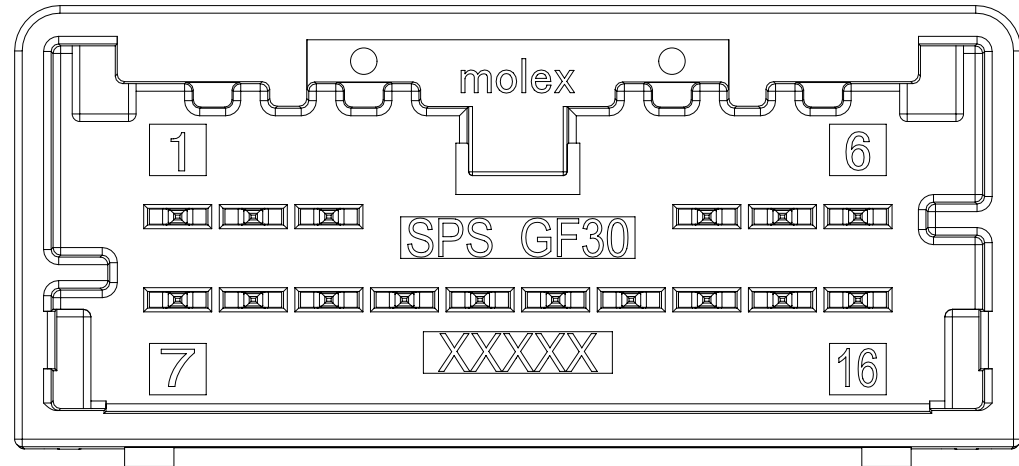
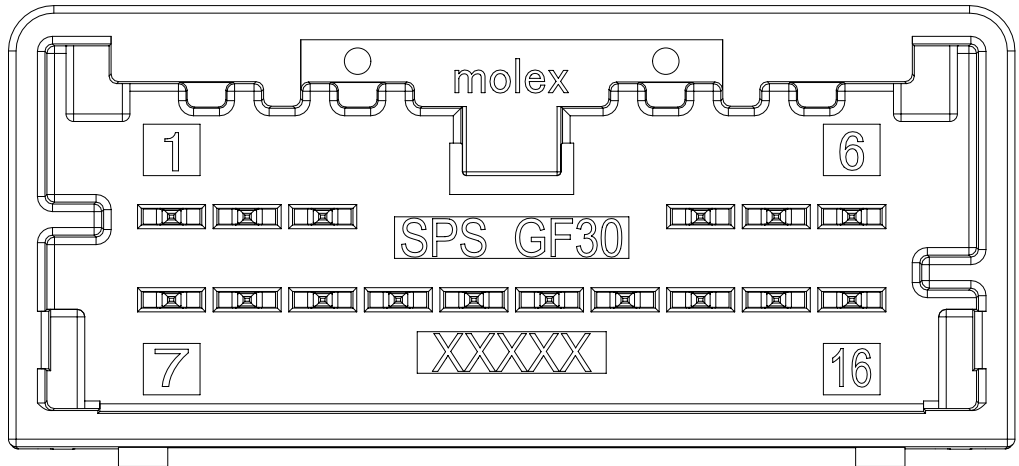
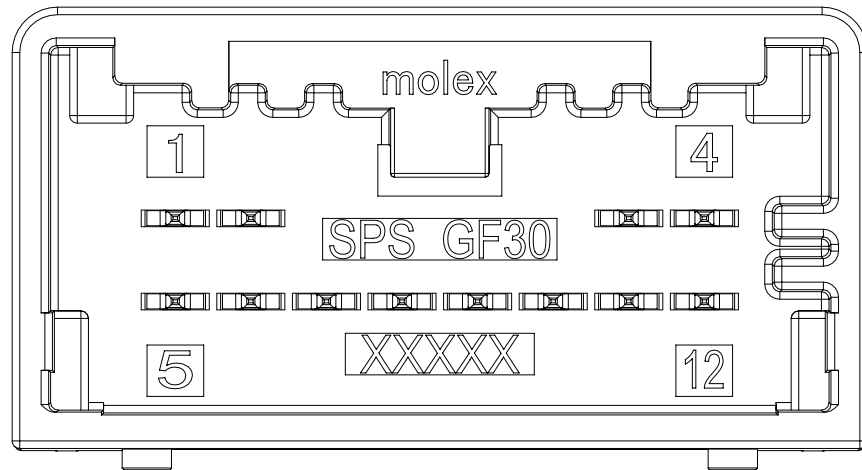
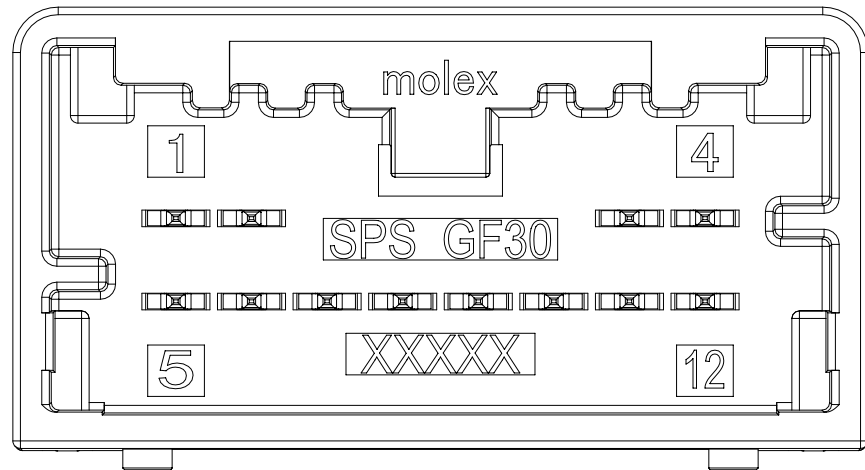
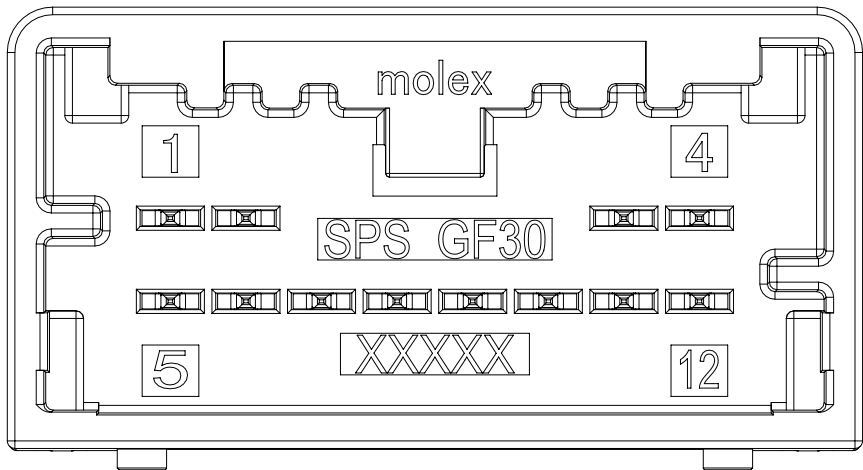




— V0 IDENTIFIER
APPLIES FOR 12CKT - 24CKT

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34791-020
 - b. PRODUCT SPECIFICATION SEE: PS-34791-020
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
 - d. SOLDERABILITY PER SMES-152
 - e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
 - f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - g. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - h. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

2. DESIGN - MATERIALS:
- a. SHROUD (PLASTIC HOUSING): SPS 30% GF, 20% REGRIND MAX PER WEIGHT
 - b. BLADES:
 - BASE METAL: C260 BRASS
 - PLATING REQUIREMENTS:
 - TIN OVER NICKEL:
 - UNDERPLATING:
 - OVERALL NICKEL
 - OVERPLATING:
 - OVERALL TIN

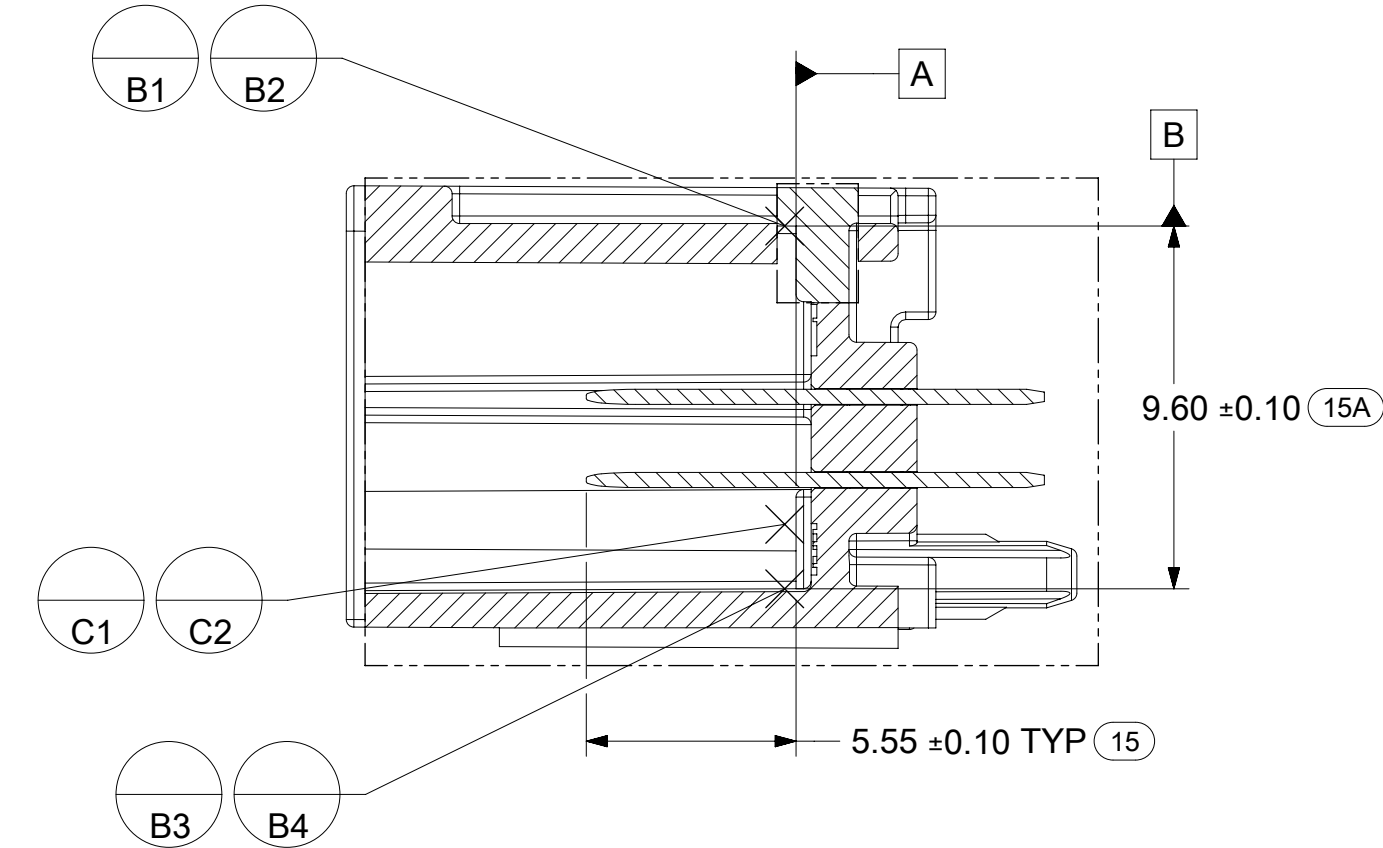
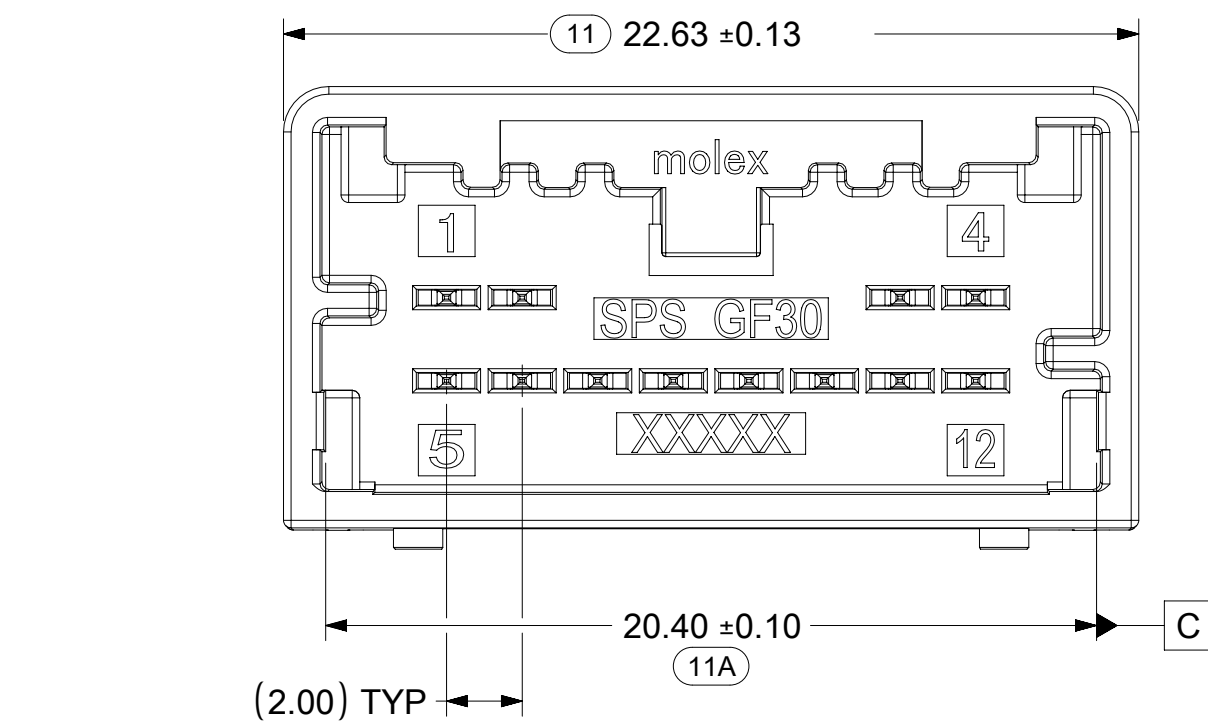
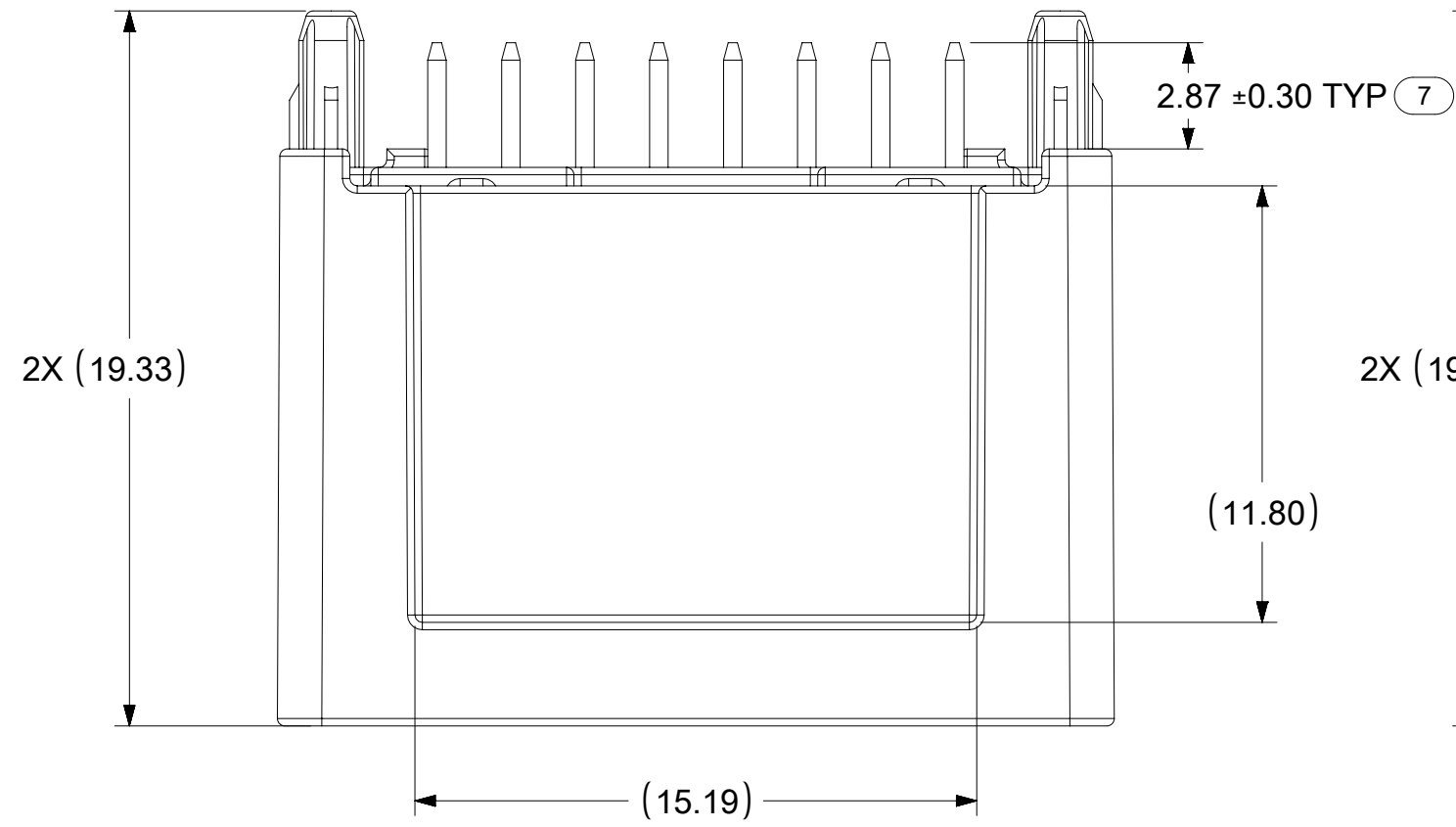
3. DESIGN - GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - c. GENERAL TOLERANCES: SEE TITLE BLOCK
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.1 MAX
 - f. LETTERING SHALL BE 0.10 MAX RAISED. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, AND CIRCUIT ID.
 - g. USCAR INTERFACE:
 - 12 WAY: 050-U-012-2-ZXX
 - 16 WAY: 050-U-016-2-ZXX
 - 20 WAY: 050-U-020-2-ZXX
 - 24 WAY: 050-U-024-2-ZXX

H5	SHEET 4: CORRECTED 12CKT V0 BOM PNs
H4	REMOVED ONE OF TWO BOM PAGES SHEET 4: BOM STATUS REMOVED - ALL PARTS ARE AVAILABLE ADDED MATING COMPONENT SD INFO
H3	VIEWS UPDATED, NO DIM OR GEOMETRY CHANGES
H2	SHEET 1: ADDED V0 VIEW SHEET 2: ADDED BALLOONS 11A, 12A, 13A, 14A, 15A SHEET 4: REMOVED. MATING COMPONENT PBT PNs 16-24CKT ARE OBSOLETE SHEET 5: ADDED V0 PNs TO BOM TABLE
H1	SHEET 1: ADDED NOTE 3g
H	DRAWING REMASTERED UPDATED VIEWS TO MATCH PRODUCTION CHANGE. NO DIMENSIONAL OR GEOMETRY CHANGES. PAGE 4&5: ADDED P/N 348258207 TO TABLES
REV	DESCRIPTION

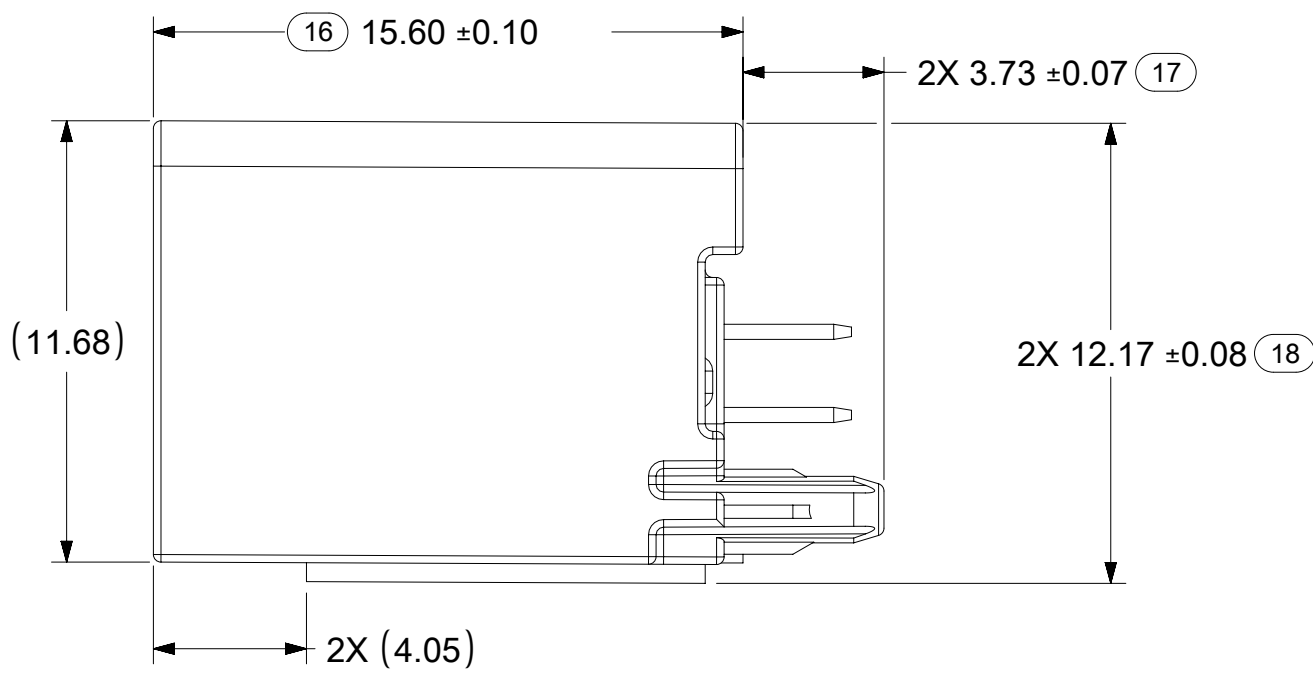
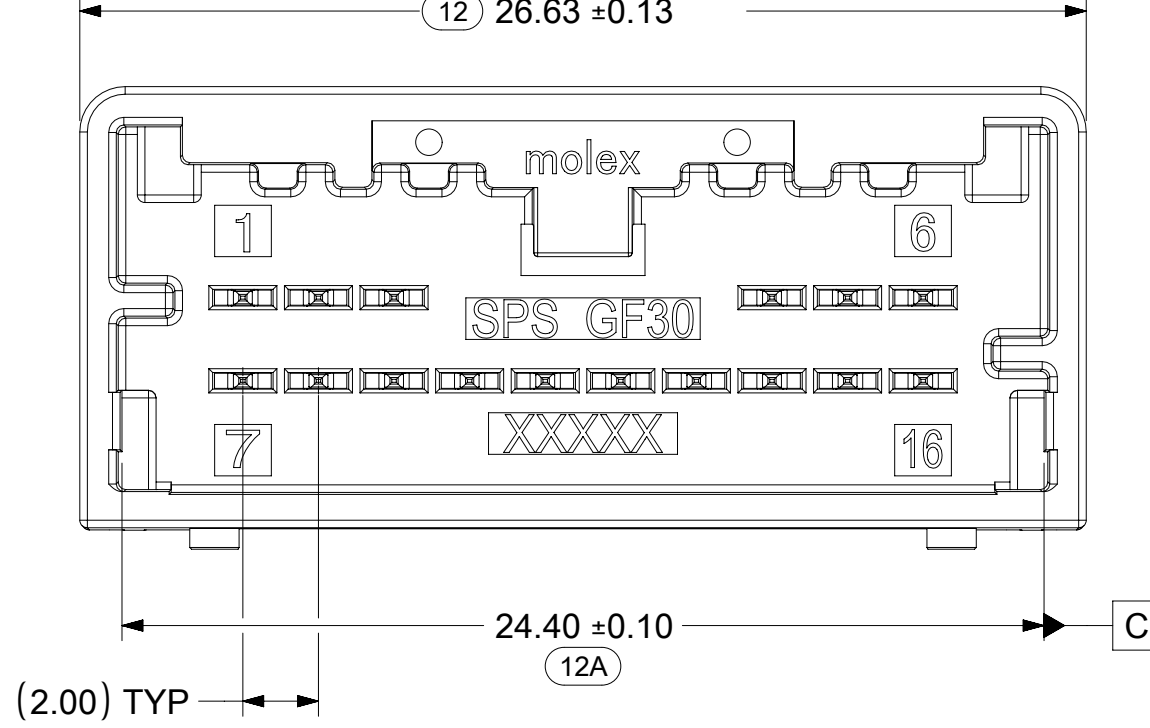
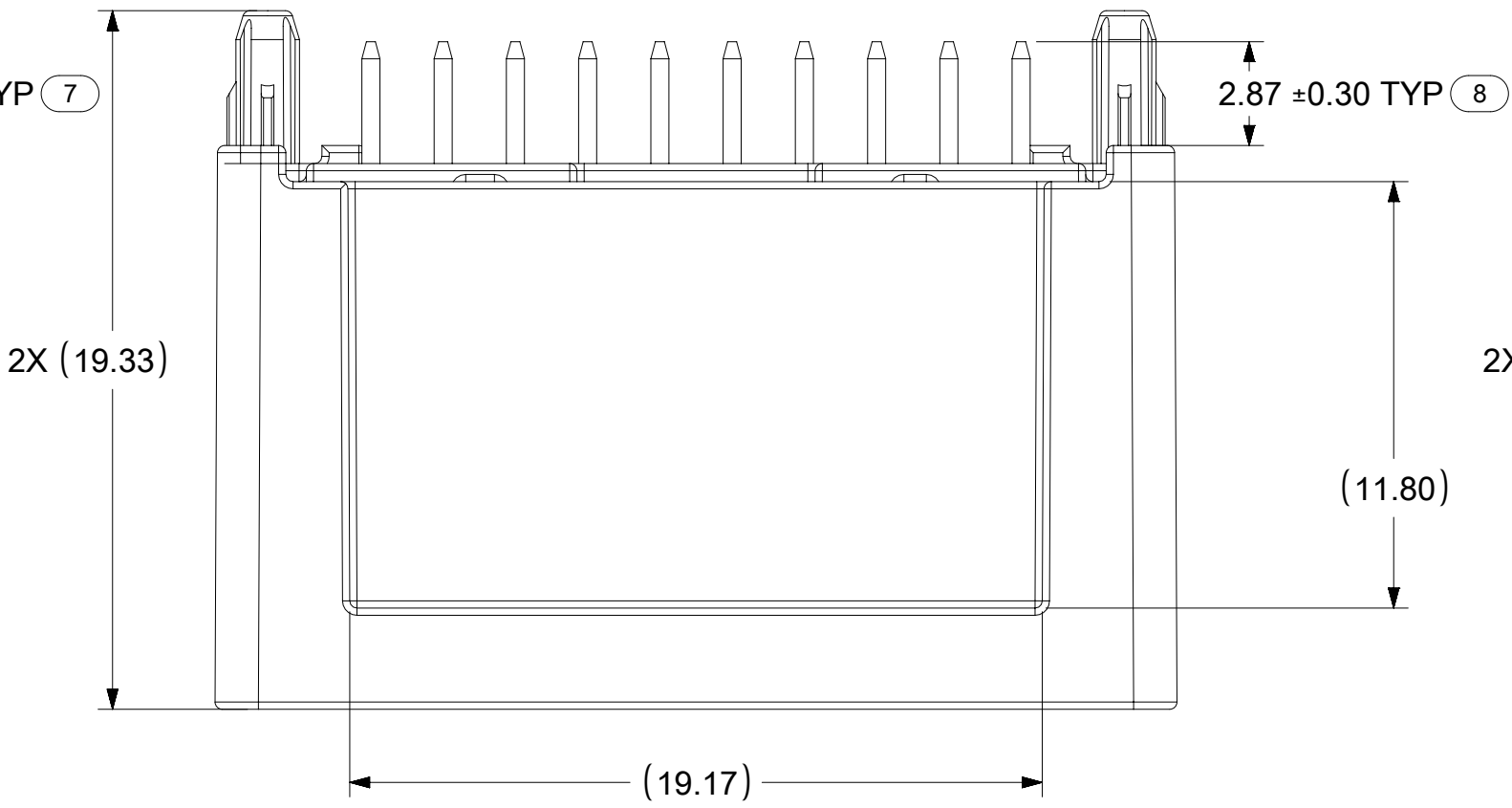
INSPECTION BALLOON NUMBER LOG		NO: OBSOLETE		SHEET 5: ADDED V0 PNs TO BOM TABLE				
PER DRAWING REVISION: H5		H1	SHEET 1: ADDED NOTE 3g					
LAST BALLOON USED: 20		H	DRAWING REMASTERED UPDATED VIEWS TO MATCH PRODUCTION CHANGE. NO DIMENSIONAL OR GEOMETRY CHANGES. PAGE 4&5: ADDED P/N 348258207 TO TABLES					
ADDED BALLOON NUMBERS: 11A, 12A, 13A, 14A, 15A			REV DESCRIPTION					
REMOVED BALLOON NUMBERS: 1, 2, 3, 4, 5, 6		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 MINI50 12-24CKT VERT HDR SALES DRAWING				
mm	5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 663283						
ANGULAR TOL	± 3.0°	DRWN: SRUSS		2021/05/07				
4 PLACES	±	CHK'D: KHEWITT		2021/05/07				
3 PLACES	±	APPR: JDUNAJ		2021/05/18				
2 PLACES	± 0.1	INITIAL REVISION:		PRODUCT CUSTOMER DRAWING				
1 PLACE	± 0.2	DRWN: TMACHUGA		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
0 PLACES	±	APPR: SMARCEAU		SD-34825-001	PSD	001	H5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
 		D-SIZE	34825			GENERAL MARKET		1 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18	15:37:14
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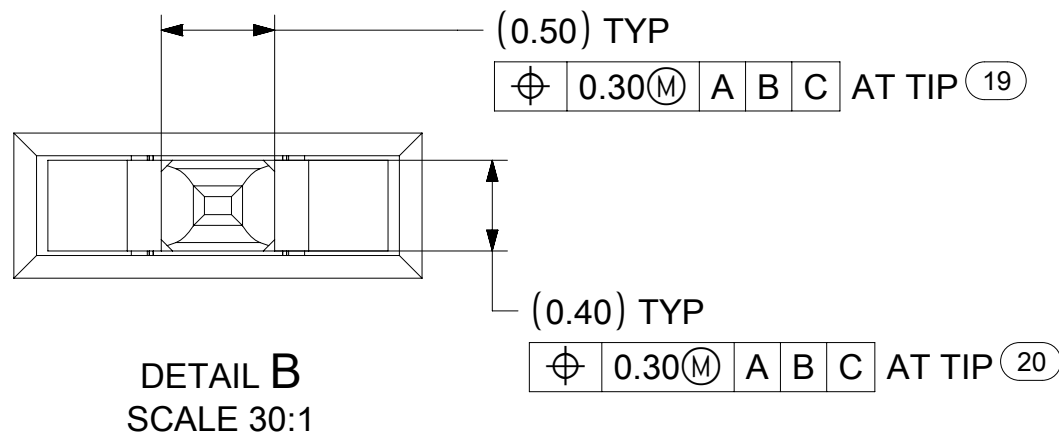
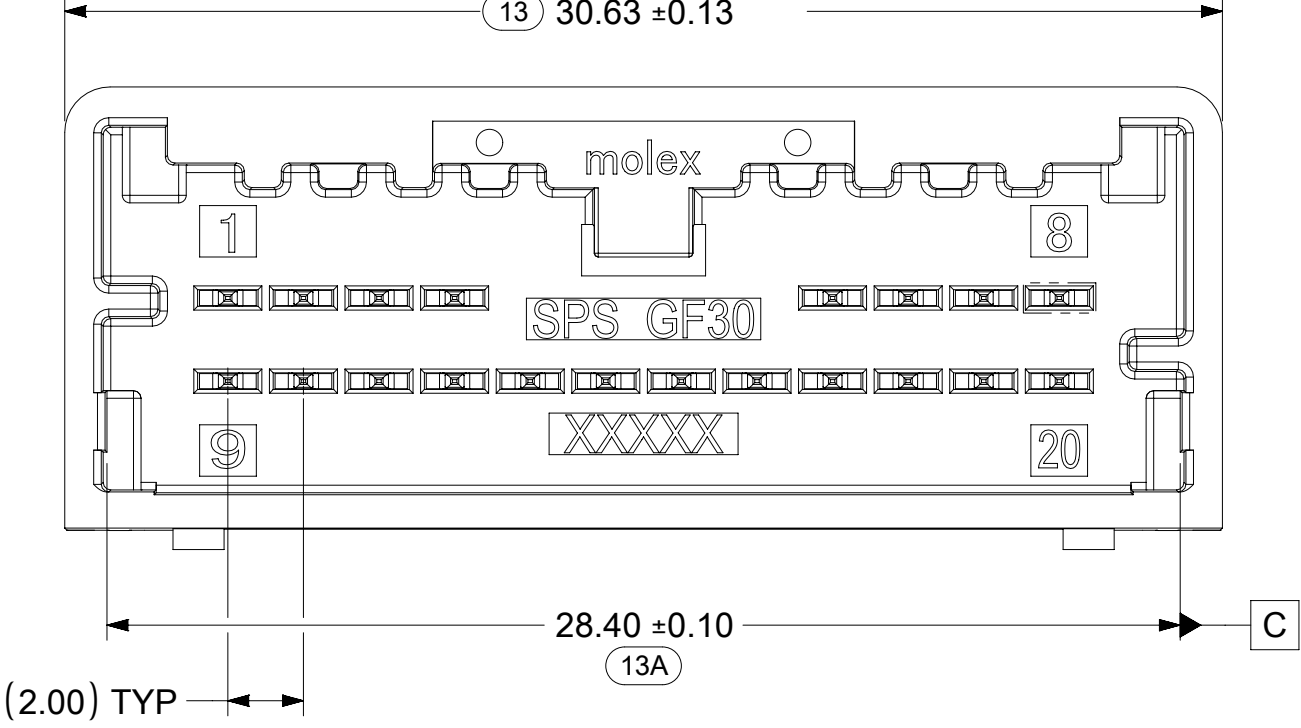
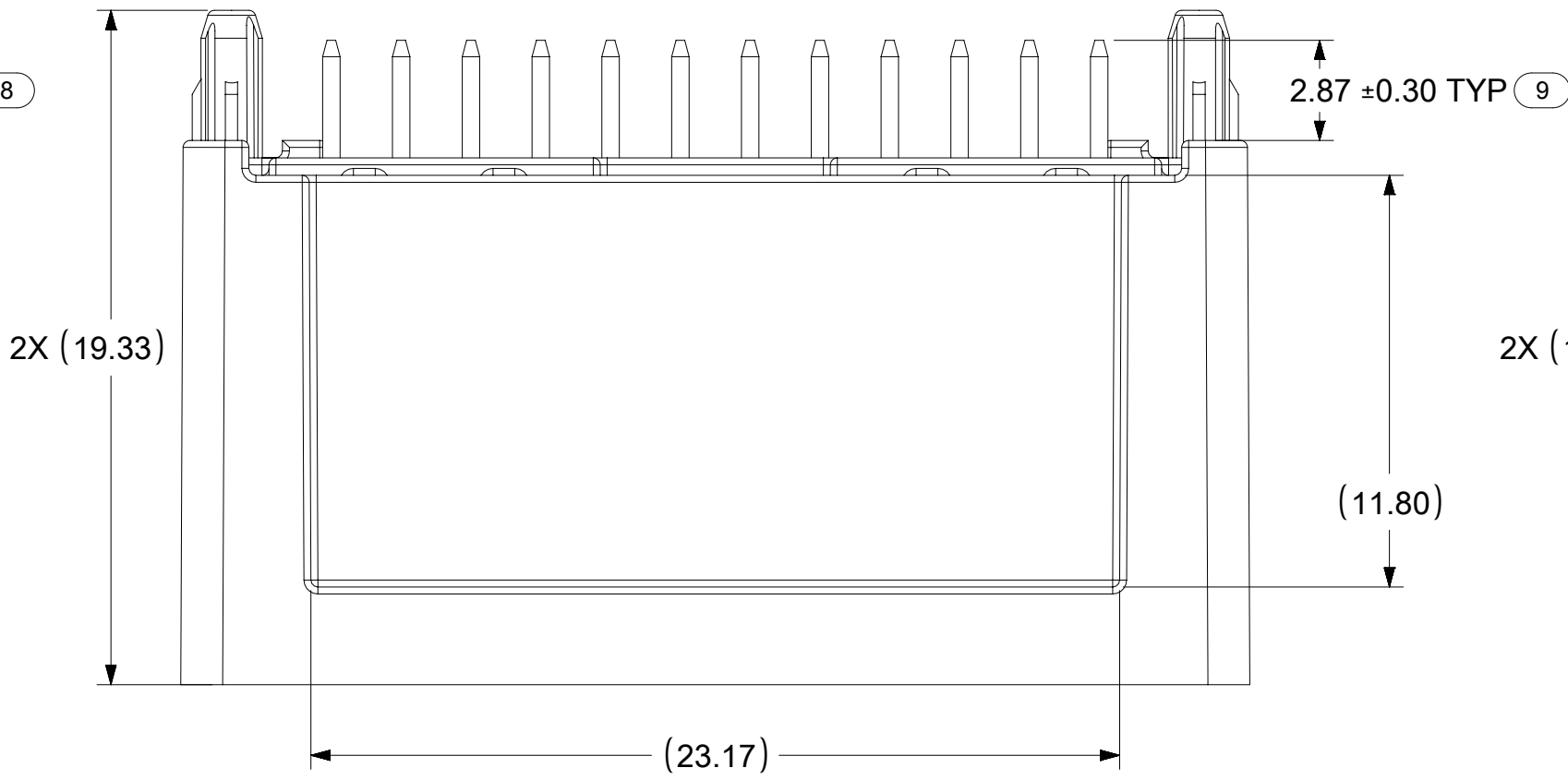
12 CIRCUIT



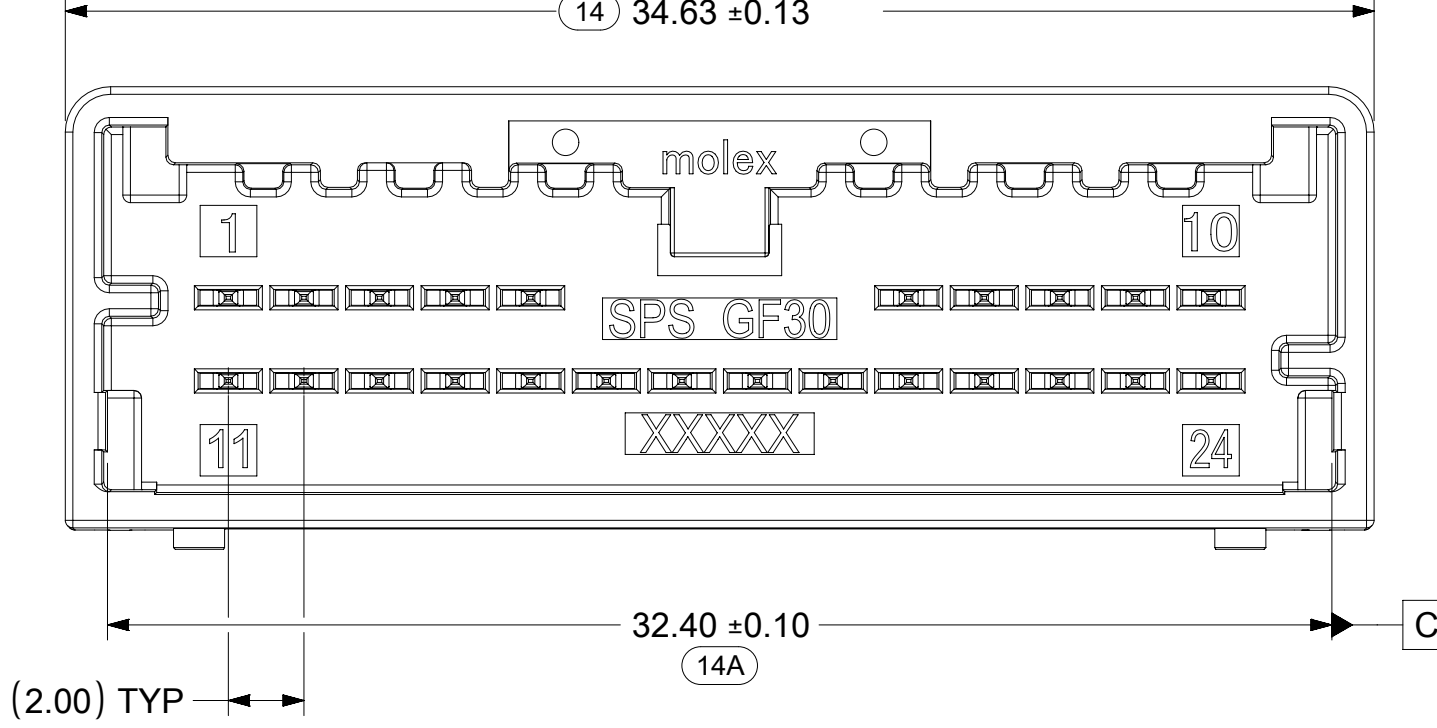
16 CIRCUIT



20 CIRCUIT



24 CIRCUIT



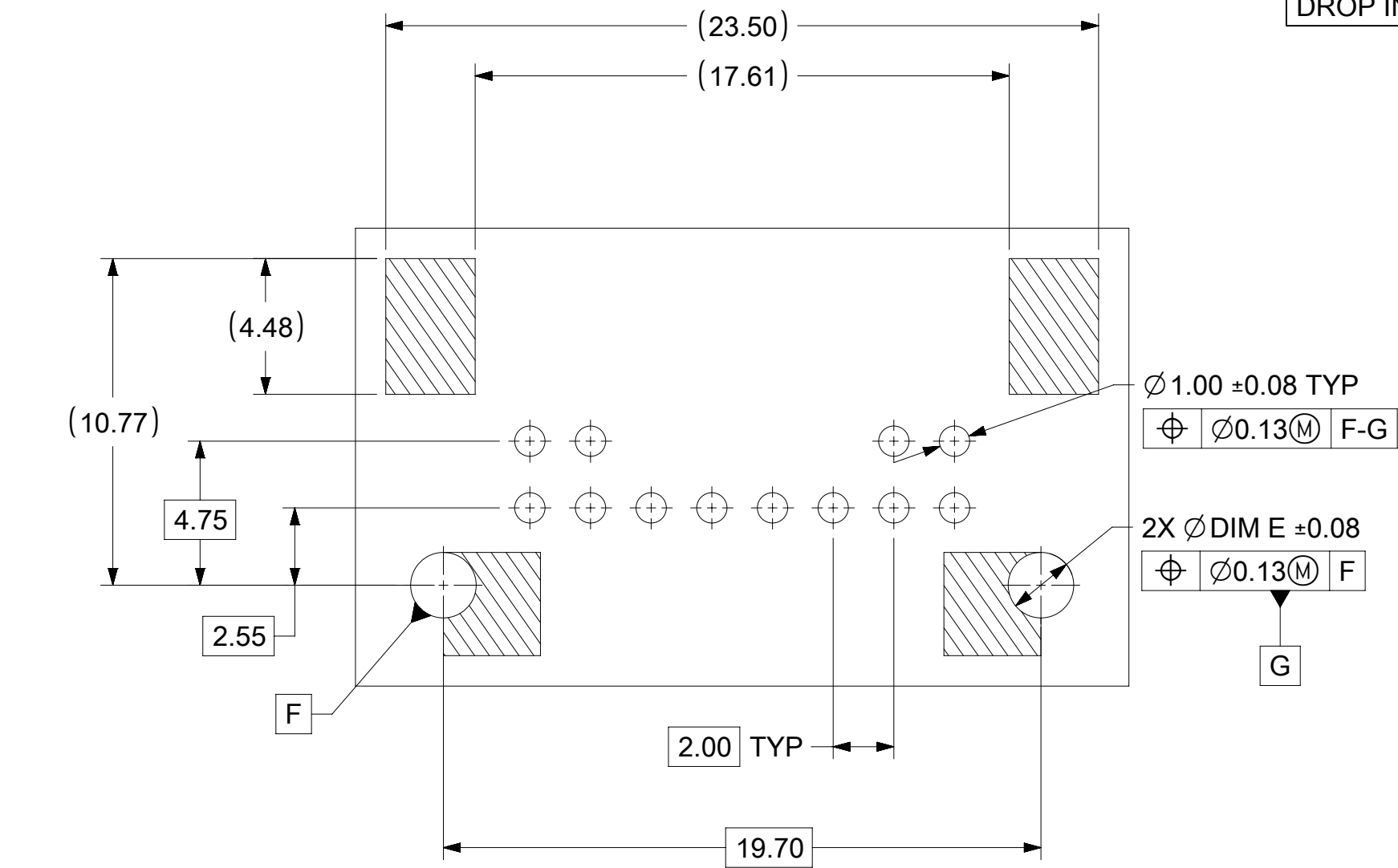
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
DIMENSION UNITS		SCALE		CURRENT REV DESC:															
mm		5:1																	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 663283 DRWN: SRUSS 2021/05/07 CHK'D: KHEWITT 2021/05/07 APPR: JDUNAJ 2021/05/18															
ANGULAR TOL		± 3.0 °																	
4 PLACES		±																	
3 PLACES		±																	
2 PLACES		± 0.1		INITIAL REVISION: DRWN: TMACHUGA 2012/05/03 APPR: SMARCEAU 2012/05/03															
1 PLACE		± 0.2																	
0 PLACES		±																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION  		DRAWING D-SIZE		SERIES 34825		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
										SD-34825-001		PSD		001		H5			
MATERIAL NUMBER						CUSTOMER						SHEET NUMBER							
						GENERAL MARKET						2 OF 4							
molex										MINI50 12-24CKT VERT HDR SALES DRAWING									
PRODUCT CUSTOMER DRAWING																			

PCB LAYOUT
BOARD SHOWN FOR REFERENCE ONLY

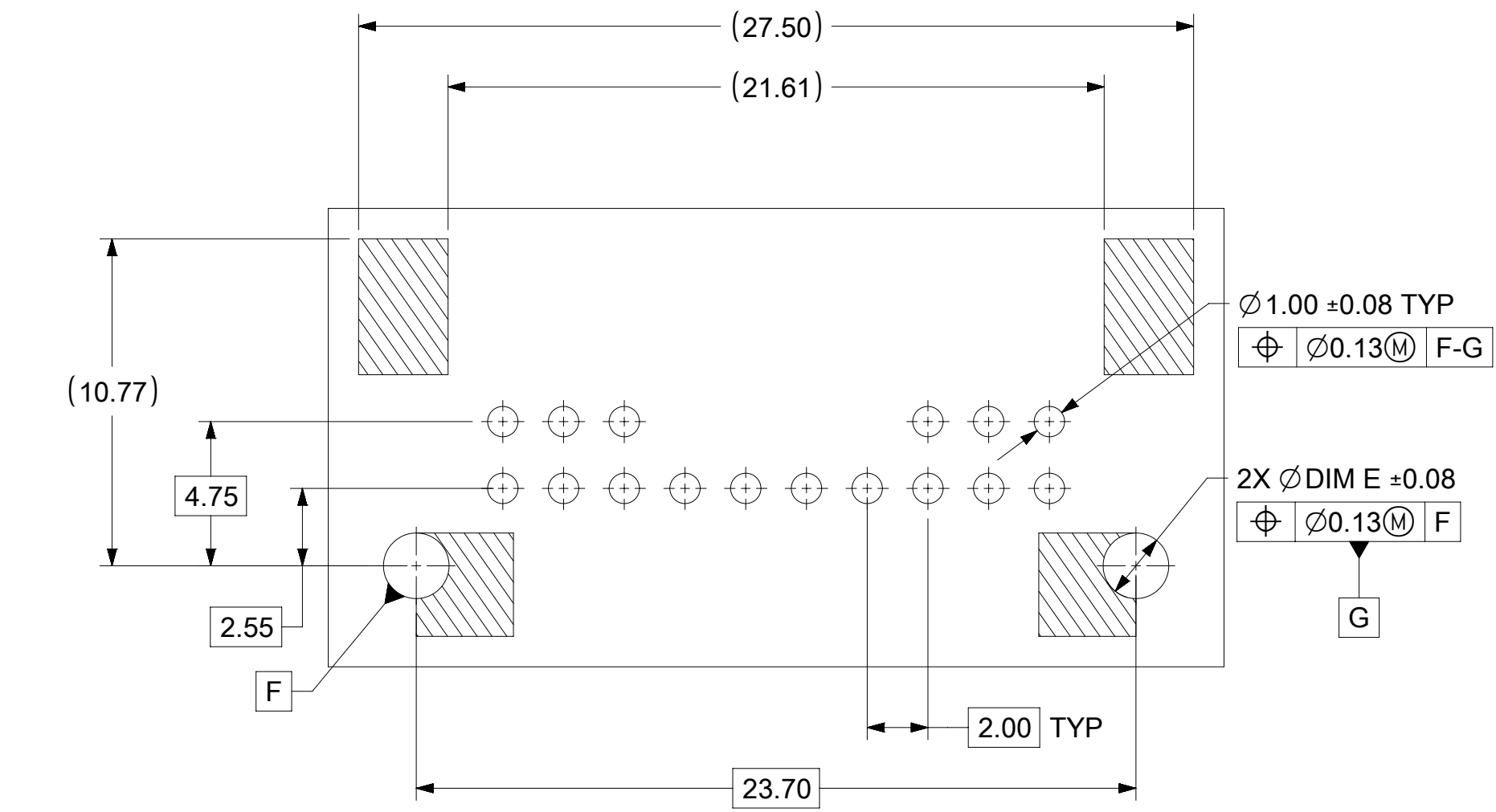
POST HOLE TABLE

	DIM E
PRESS FIT	2.15
DROP IN	2.55

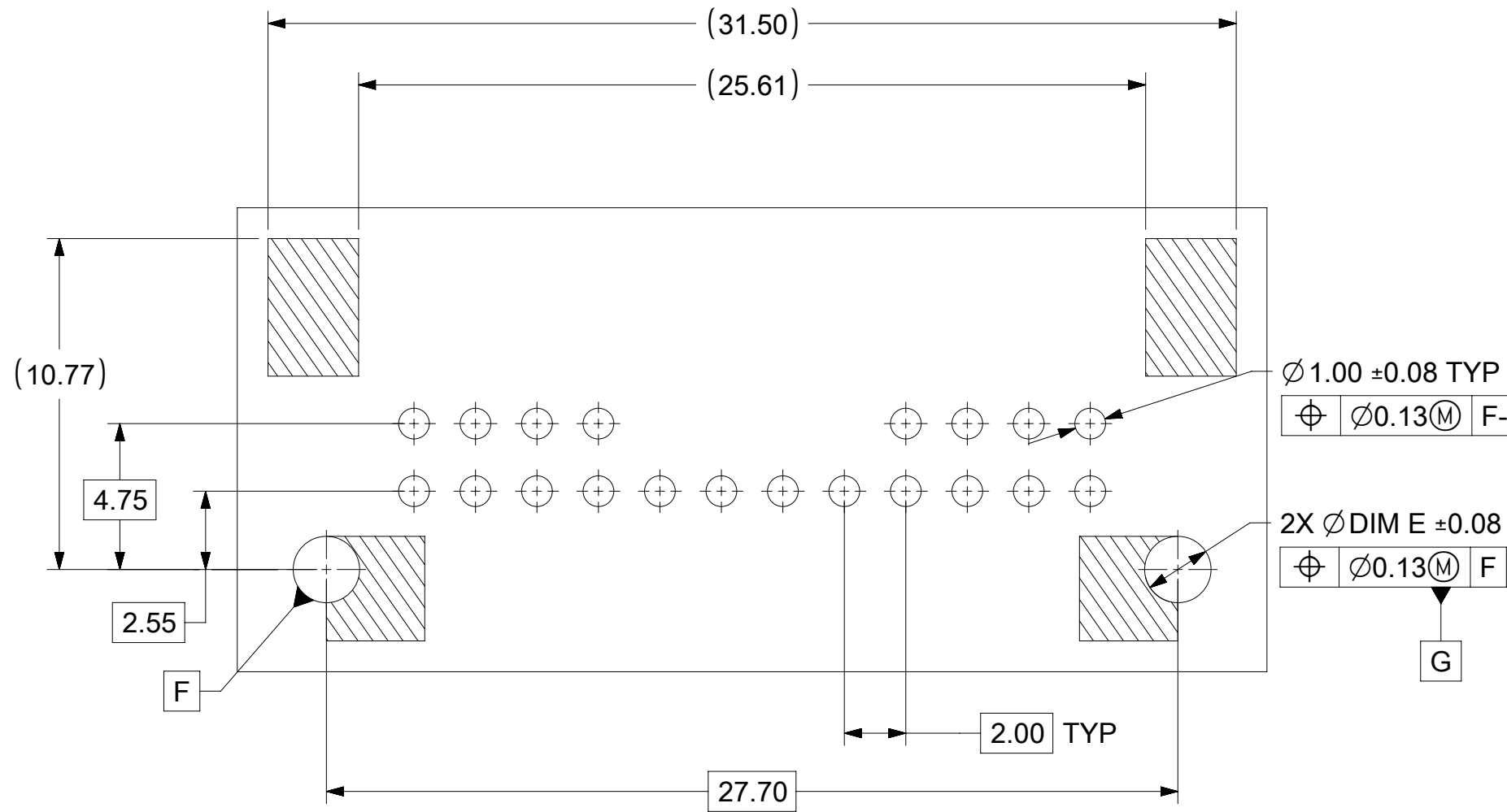
12 CIRCUIT



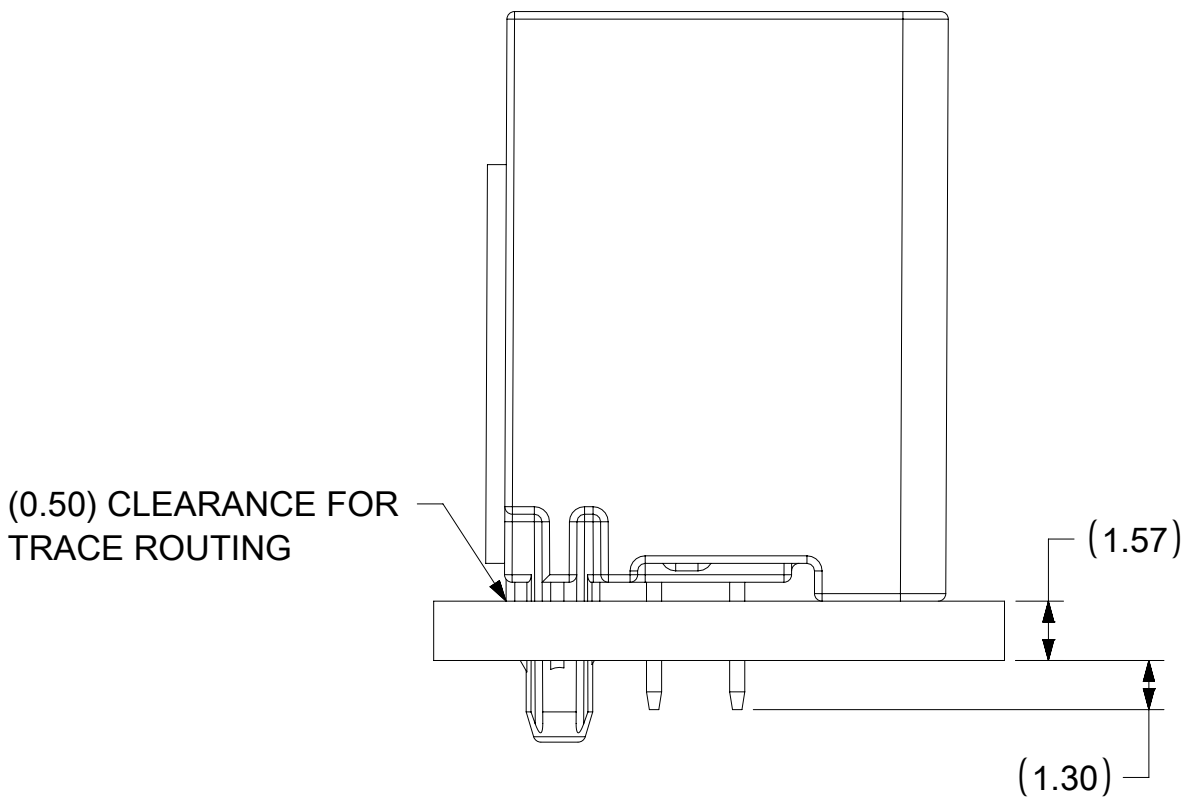
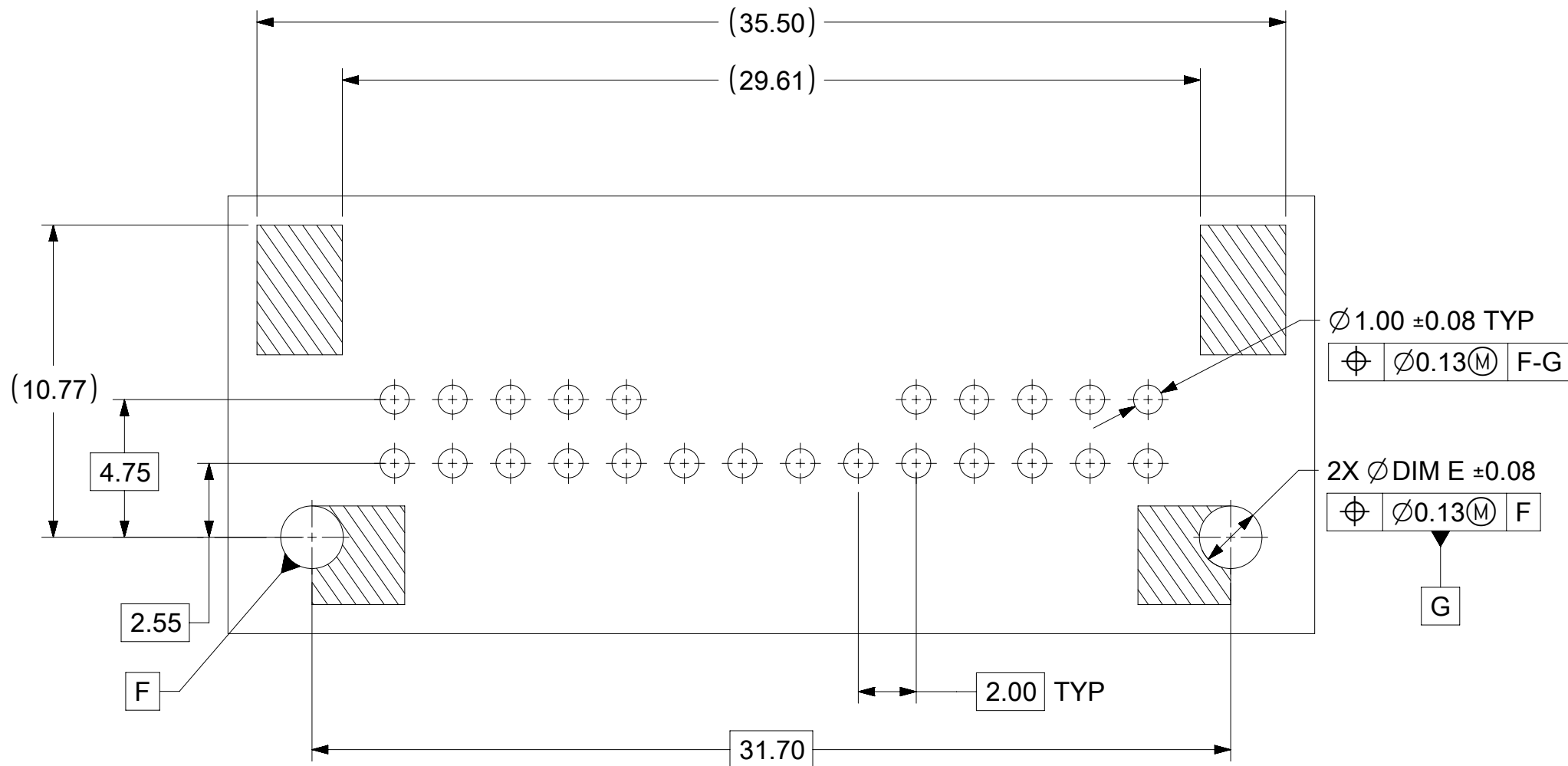
16 CIRCUIT



20 CIRCUIT



24 CIRCUIT



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		5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 663283 DRWN: SRUSS 2021/05/07 CHK'D: KHEWITT 2021/05/07 APPR: JDUNAJ 2021/05/18 INITIAL REVISION: DRWN: TMACHUGA 2012/05/03 APPR: SMARCEAU 2012/05/03				MINI50 12-24CKT VERT HDR SALES DRAWING	
ANGULAR TOL		±	3.0°					PRODUCT CUSTOMER DRAWING	
4 PLACES		±						DOCUMENT NUMBER	
3 PLACES		±						SD-34825-001	
2 PLACES		±	0.1					DOC TYPE	DOC PART
1 PLACE		±	0.2					PSD	001
0 PLACES		±						REVISION	H5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER	
						D-SIZE		34825	
								GENERAL MARKET	
								3 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18	15:37:14
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MINI50 VERTICAL HEADER ASSEMBLIES

CIRCUIT	POL	COLOR	MATERIAL NUMBER TAPE AND REEL PACKAGING PK-47799-0001	MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TRAY PACKAGING PK-31301-440	BLADE PLATING	FLAMMABILITY	VOIDED CIRCUITS
12	A	BLACK	34825-8124	34825-9124	34825-0124	TIN	HB	N/A
	B	GRAY	34825-8125	34825-9125	34825-0125	TIN		
	C	DARK GRAY	34825-8126	34825-9126	34825-0126	TIN		
16	A	BLACK	34825-8160	34825-9160	34825-0160	TIN	HB	N/A
	B	GRAY	34825-8161	34825-9161	34825-0161	TIN		
	C	DARK GRAY	34825-8162	34825-9162	34825-0162	TIN		
20	A	BLACK	34825-8200	34825-9200	34825-0200	TIN	HB	N/A
	A	BLACK	34825-8207	N/A	N/A	TIN		1, 2, 4, 5, 7, 8, 10-12, 14, 15, 17-19
	B	GRAY	34825-8201	34825-9201	34825-0201	TIN		N/A
	C	DARK GRAY	34825-8202	34825-9202	34825-0202	TIN		N/A
24	A	BLACK	34825-8240	34825-9240	34825-0240	TIN	HB	N/A
	A	BLACK	N/A	N/A	34825-0244	TIN		2, 3, 4, 7, 8, 9, 12, 13, 14, 16, 19, 21, 22, 23
	B	GRAY	34825-8241	34825-9241	34825-0241	TIN		N/A
	B	GRAY	N/A	N/A	34825-0245	TIN		2, 3, 4, 7, 8, 9, 12, 13, 14, 16,19, 21, 22, 23
	C	DARK GRAY	34825-8242	34825-9242	34825-0242	TIN		N/A
12	A	BLACK	215425-8124	215425-9124	215425-0124	TIN	V0	N/A
	B	GRAY	215425-8125	215425-9125	215425-0125	TIN		
	C	DARK GRAY	215425-8126	215425-9126	215425-0126	TIN		
16	A	BLACK	215425-8160	215425-9160	215425-0160	TIN	V0	N/A
	B	GRAY	215425-8161	215425-9161	215425-0161	TIN		
	C	DARK GRAY	215425-8162	215425-9162	215425-0162	TIN		
20	A	BLACK	215425-8200	215425-9200	215425-0200	TIN	V0	N/A
	B	GRAY	215425-8201	215425-9201	215425-0201	TIN		
	C	DARK GRAY	215425-8202	215425-9202	215425-0202	TIN		
24	A	BLACK	215425-8240	215425-9240	215425-0240	TIN	V0	N/A
	B	GRAY	215425-8241	215425-9241	215425-0241	TIN		
	C	DARK GRAY	215425-8242	215425-9242	215425-0242	TIN		

MATING COMPONENTS

FOR ALL MATING COMPONENT PART NUMBERS SEE THE FOLLOWING SALES DRAWINGS

- GEN I RECEPTACLE ONLY: SD-34824-002
- GEN I RECEPTACLE WITH CPA: SD-34824-003
- GEN II: 2065230000

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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 663283

DRWN: SRUSS 2021/05/07

CHK'D: KHEWITT 2021/05/07

APPR: JDUNAJ 2021/05/18

INITIAL REVISION:

DRWN: TMACHUGA 2012/05/03

APPR: SMARCEAU 2012/05/03

THIRD ANGLE PROJECTION



DRAWING

D-SIZE

SERIES

34825

DOCUMENT NUMBER

SD-34825-001

DOC TYPE

PSD

DOC PART

001

REVISION

H5

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4