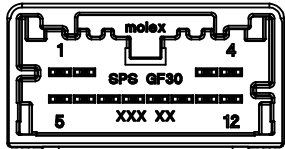
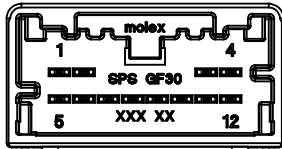


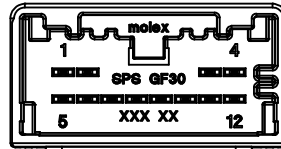
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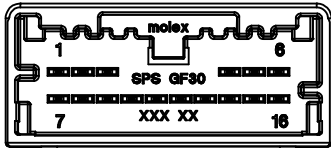
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION A



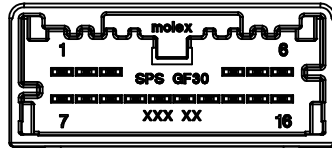
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION B



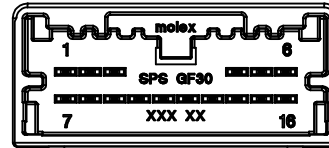
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION C



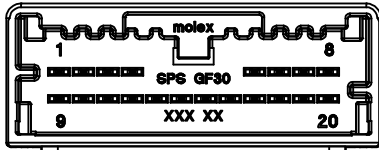
16 KCT VERTICAL HEADER
POLARIZATION OPTION A



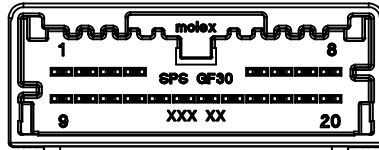
16 KCT VERTICAL HEADER
POLARIZATION OPTION B



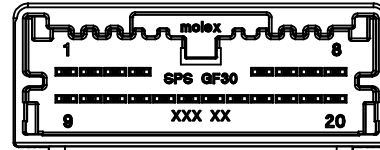
16 KCT VERTICAL HEADER
POLARIZATION OPTION C



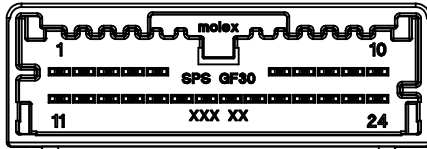
20 KCT VERTICAL HEADER
POLARIZATION OPTION A



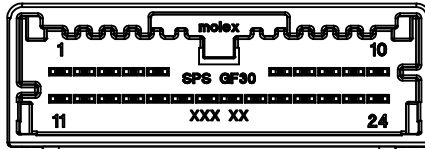
20 KCT VERTICAL HEADER
POLARIZATION OPTION B



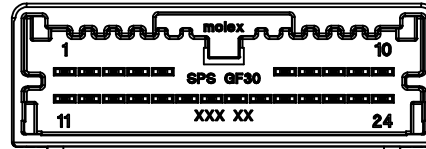
20 KCT VERTICAL HEADER
POLARIZATION OPTION C



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION A



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION B



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION C

NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-34791-020
 - PRODUCT SPECIFICATION SEE: PS-34791-020
 - PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
 - SOLDERABILITY PER SMES-152
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEH5-699000-300
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- DESIGN - MATERIALS:
 - SHROUD (PLASTIC HOUSING): SP6 30% GF, 20% REGRIND MAX PER WEIGHT
 - BLADES:
 - BASE METAL: C260 BRASS
 - PLATING REQUIREMENTS:
 - TIN OVER NICKEL:
 - UNDERPLATING:
 - OVERALL NICKEL
 - OVERPLATING:
 - OVERALL TIN
- DESIGN - GEOMETRY:
 - 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.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - GENERAL TOLERANCES: SEE TITLE BLOCK
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.1 MAX
 - LETTERING SHALL BE 0.10 MAX RAISED. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, AND CIRCUIT ID.

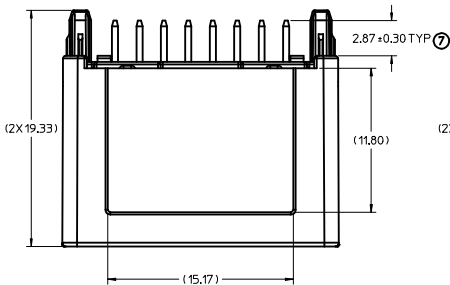
LAST BALLOON ON DRAWING:
⑬
DELETED BALLOONS:
① ② ③ ④ ⑤ ⑥

DARK GRAY POL C EC NO: UAU2017-0097 DRAWN: IBERG CHKD: CHKO APPROD: LLSLE	REV DESCRIPTION 2016/08/01 2016/08/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MINI 50 DUAL ROW VERTICAL ASSEMBLY SALES DRAWING molex DOCUMENT NO. SD-34825-001 SHEET NO. 1 OF 4	
			mm		INCH		DRAWN BY DATE		TITLE		
			4 PLACES ± .005		3 PLACES ± .005		TUCU 2011/02/25				
			3 PLACES ± .005		2 PLACES ± .010		CHECKED BY DATE				
			2 PLACES ± .010		1 PLACE ± 0.20		TMACHUGA 2011/02/28				
			1 PLACE ± 0.20		0 PLACE ± .005		APPROVED BY DATE				
			0 PLACE ± .005		ANGULAR ± 3 °		SMARCEAU 2012/05/03				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

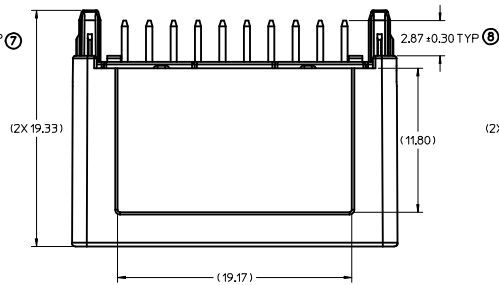
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

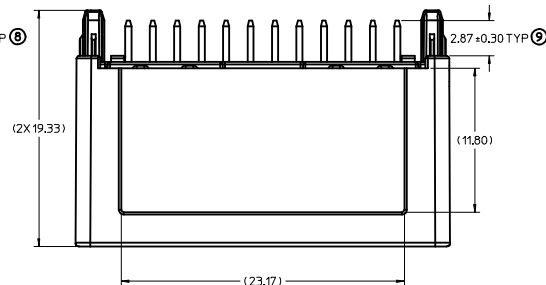
12 CIRCUIT VERTICAL
USCAR HEADER



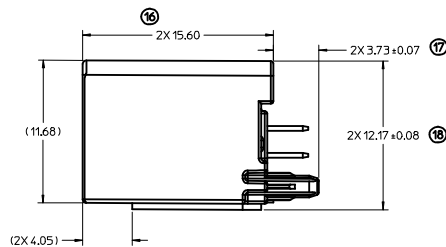
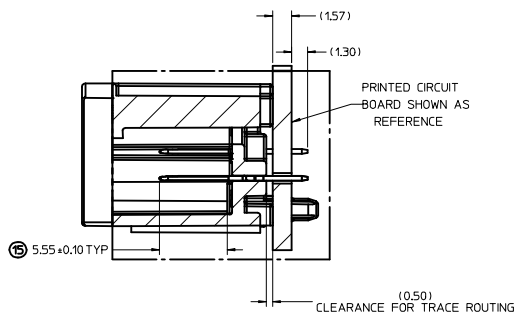
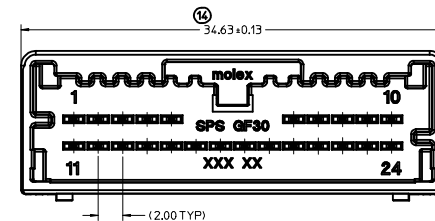
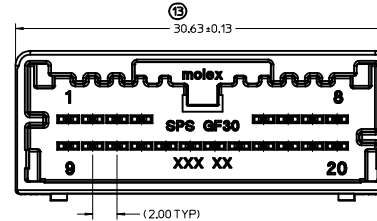
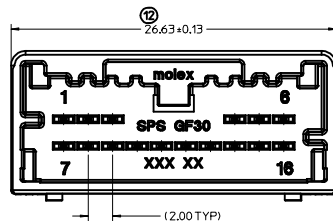
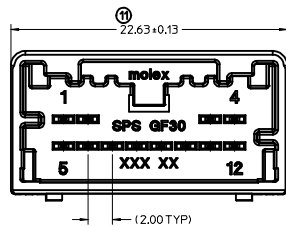
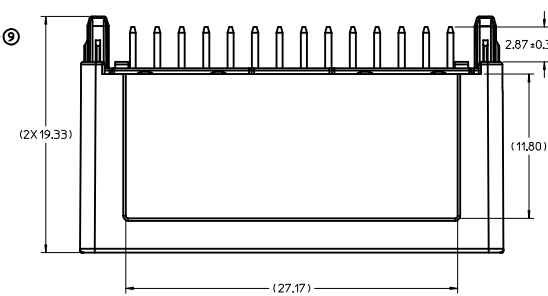
16 CKT VERTICAL HEADER



20 CKT VERTICAL HEADER



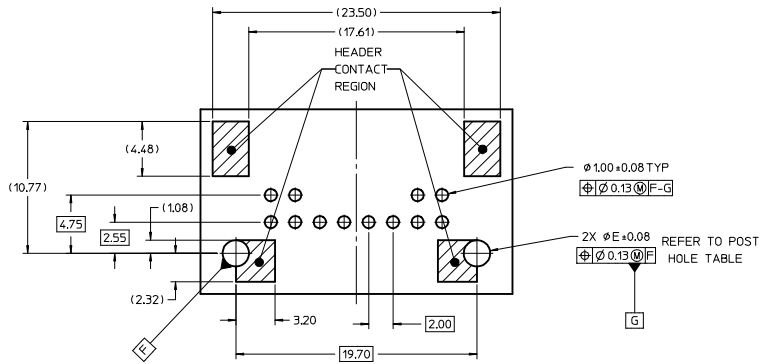
24 CIRCUIT VERTICAL HEADER



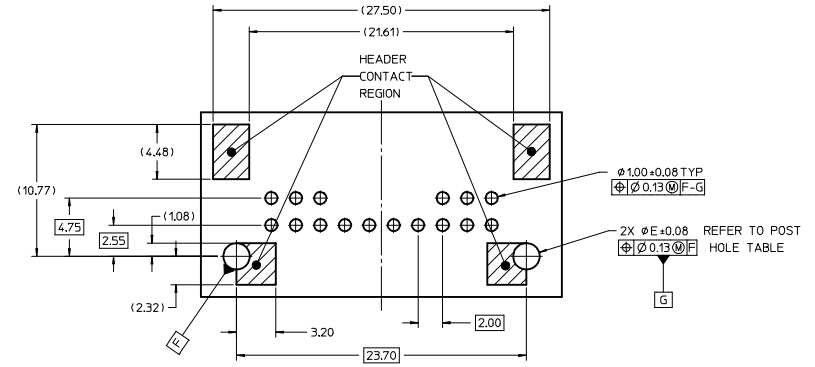
DARK GRAY POL C EC NO: UAU2017-0097 CHKO: 2016/08/01 APPROD: LLSLE 2016/08/04 REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
					MM ONLY		5:1		METRIC			
	▽=0		mm INCH		DRAWN BY DATE		TITLE		MINI 50 DUAL ROW VERTICAL ASSEMBLY SALES DRAWING molex			
	▽=0		4 PLACES ± ---		TCUCU 2011/02/25							
	▽=0		3 PLACES ± ---		CHECKED BY DATE							
			2 PLACES ± 0.10		TMACHUGA 2011/02/28							
		1 PLACE ± 0.20		APPROVED BY DATE								
		0 PLACE ±		SMARCEAU 2012/05/03								
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
		DRAFT WHERE APPLICABLE		SEE CHART		SD-34825-001				2 OF 4		
		MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

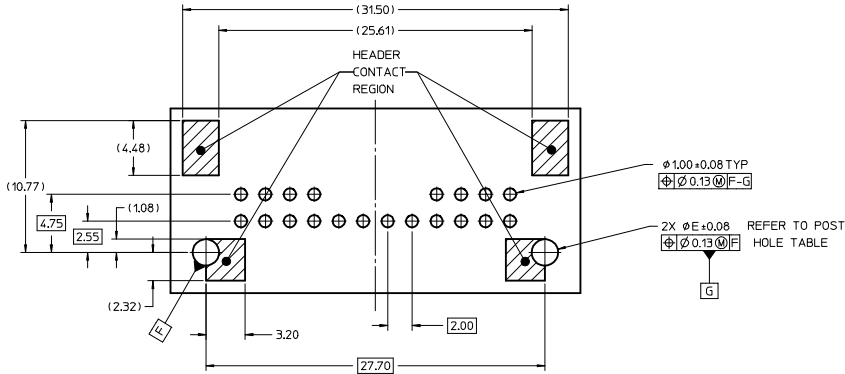
12 CKT VERTICAL HEADER PCB CONFIGURATION



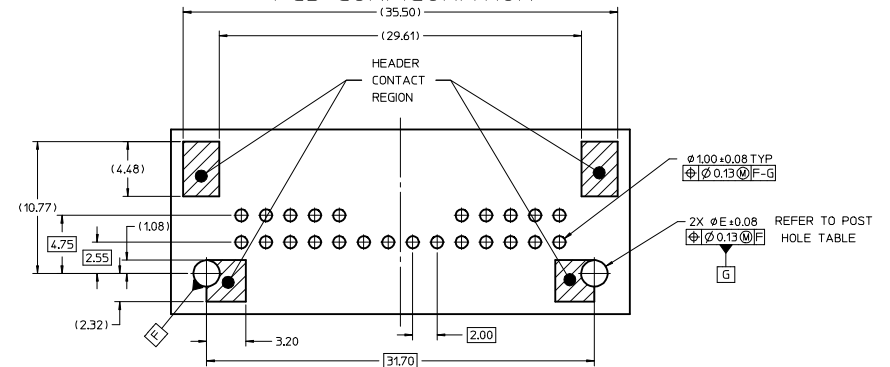
16 CKT VERTICAL HEADER PCB CONFIGURATION



20 CKT VERTICAL HEADER PCB CONFIGURATION



24 CKT VERTICAL HEADER PCB CONFIGURATION



POST HOLE TABLE

	DIM 'E'
PRESS FIT	2.15
DROP IN	2.55

DARK GRAY POL C IEC NO: UAU2017-0097 DRAWN: BERG CHKO: APPR: DC LLSLE 2016/08/04 2016/08/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ±	MM ONLY	5:1	METRIC	MINI 50 DUAL ROW
	▽=0	3 PLACES ±				VERTICAL ASSEMBLY
	▽=0	2 PLACES ±				SALES DRAWING
MATERIAL NO. SEE CHART THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	4 PLACES ±	1 PLACE ±	DRAWN BY	DATE	DOCUMENT NO.	SHEET NO.
	1 PLACE ±	0 PLACE ±	TCUCU	2011/02/25	SD-34825-001	3 OF 4
			CHECKED BY	DATE		
			TMAHUGA	2011/02/28		
			APPROVED BY	DATE		
			SMARCEAU	2012/05/03		

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

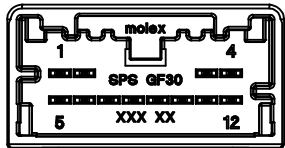
MINI 50 VERTICAL HEADER ASSEMBLIES

MATERIAL NUMBER TAPE AND REEL PACKAGING PK-47799-0001	MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TRAY PACKAGING PK-31301-440	CONFIGURATION	CIRCUIT	POL	COLOR	BLADE PLATING	MATING COMPONENT	
								UN-BRIDGED	BRIDGED
34825-8124	34825-9124	34825-0124	USCAR	12	A	BLACK	TIN OVER NICKEL	34824-0124	34824-1124
34825-8125	34825-9125	34825-0125	USCAR	12	B	GRAY	TIN OVER NICKEL	34824-0125	34824-1125
34825-8126	34825-9126	34825-0126	USCAR	12	C	DARK GRAY	TIN OVER NICKEL	34824-0126	34824-1126
34825-8160	34825-9160	34825-0160	MOLEX	16	A	BLACK	TIN OVER NICKEL	34824-0160	34824-1160
34825-8161	34825-9161	34825-0161	MOLEX	16	B	GRAY	TIN OVER NICKEL	34824-0161	34824-1161
34825-8162	34825-9162	34825-0162	MOLEX	16	C	DARK GRAY	TIN OVER NICKEL	34824-0162	34824-1162
34825-8200	34825-9200	34825-0200	MOLEX	20	A	BLACK	TIN OVER NICKEL	34824-0200	34824-1200
34825-8201	34825-9201	34825-0201	MOLEX	20	B	GRAY	TIN OVER NICKEL	34824-0201	34824-1201
34825-8202	34825-9202	34825-0202	MOLEX	20	C	DARK GRAY	TIN OVER NICKEL	34824-0202	34824-1202
34825-8240	34825-9240	34825-0240	MOLEX	24	A	BLACK	TIN OVER NICKEL	34824-0240	34824-1240
34825-8241	34825-9241	34825-0241	MOLEX	24	B	GREY	TIN OVER NICKEL	34824-0241	34824-1241
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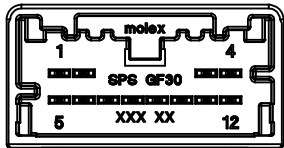
C DARK GRAY POL C EC NO: UAU2017-0097 DRAWN: BERG CHKD: APPR: DC LLSLE REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				DRAWN BY TCUCU		DATE 2011/02/25	TITLE				
				CHECKED BY TMACHUGA		DATE 2011/02/28					
				APPROVED BY SMARCEAU		DATE 2012/05/03					
		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART			DOCUMENT NO. SD-34825-001		SHEET NO. 4 OF 4
											THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

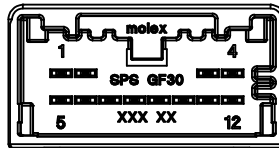
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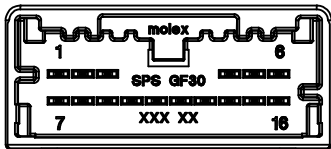
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION A



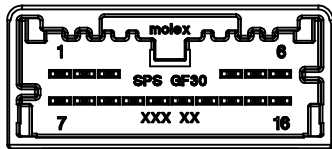
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION B



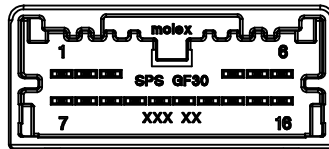
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION C



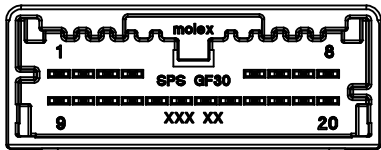
16 KCT VERTICAL HEADER
POLARIZATION OPTION A



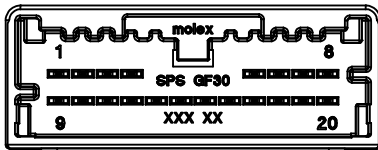
16 KCT VERTICAL HEADER
POLARIZATION OPTION B



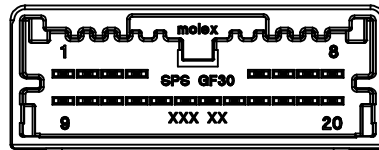
16 KCT VERTICAL HEADER
POLARIZATION OPTION C



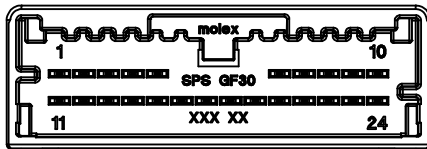
20 KCT VERTICAL HEADER
POLARIZATION OPTION A



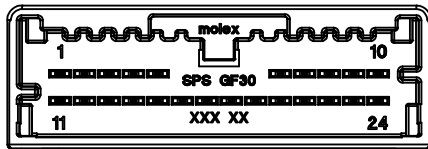
20 KCT VERTICAL HEADER
POLARIZATION OPTION B



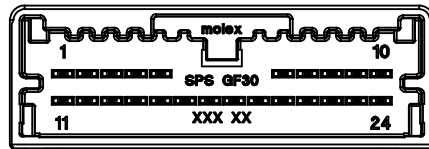
20 KCT VERTICAL HEADER
POLARIZATION OPTION C



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION A



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION B



24 CIRCUIT VERTICAL HEADER
POLARIZATION OPTION C

NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-34791-020
 - PRODUCT SPECIFICATION SEE: PS-34791-020
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 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- DESIGN - MATERIALS:
 - SHROUD (PLASTIC HOUSING): SP6 30% GF, 20% REGRIND MAX PER WEIGHT
 - BLADES:
 - BASE METAL: C260 BRASS
 - PLATING REQUIREMENTS:
 - TIN OVER NICKEL:
 - UNDERPLATING:
 - OVERALL NICKEL
 - OVERPLATING:
 - OVERALL TIN
- DESIGN - GEOMETRY:
 - 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.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - GENERAL TOLERANCES: SEE TITLE BLOCK
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.1 MAX
 - LETTERING SHALL BE 0.10 MAX RAISED. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, AND CIRCUIT ID.

LAST BALLOON ON DRAWING:

16

DELETED BALLOONS:

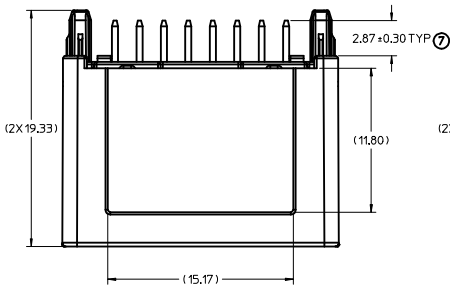
1 2 3 4 5 6

DARK GRAY POL C EC NO: UAU2017-0097 DRAWN: IBERG CHKD: CHKO APPROD: LLSLE REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE TCUCU 2011/02/25 CHECKED BY DATE TMACHUGA 2011/02/28 APPROVED BY DATE SMARCEAU 2012/05/03 MATERIAL NO. SEE CHART DOCUMENT NO. SD-34825-001	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MINI 50 DUAL ROW VERTICAL ASSEMBLY SALES DRAWING molex	SHEET NO. 1 OF 4

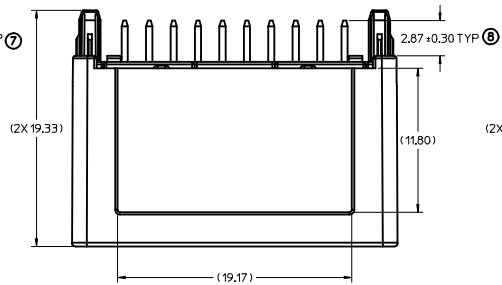
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

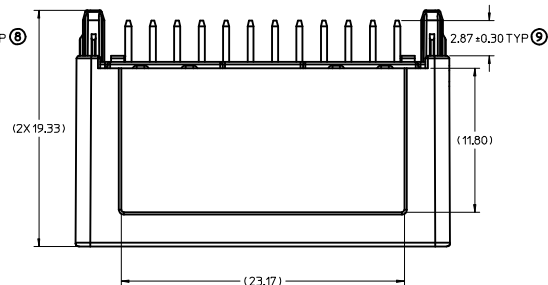
12 CIRCUIT VERTICAL USCAR HEADER



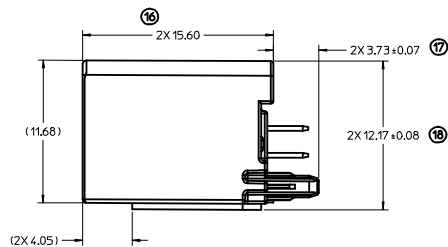
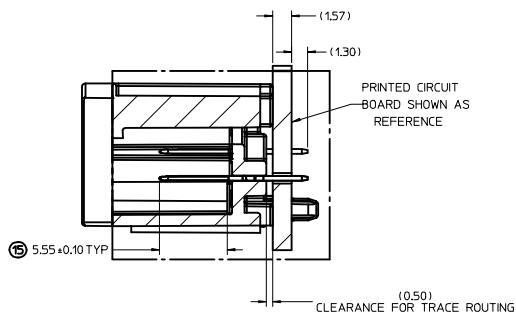
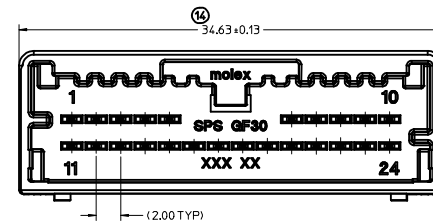
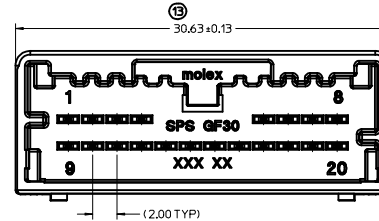
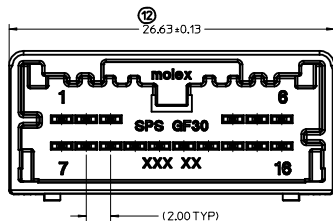
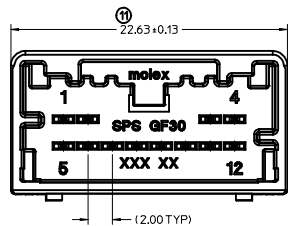
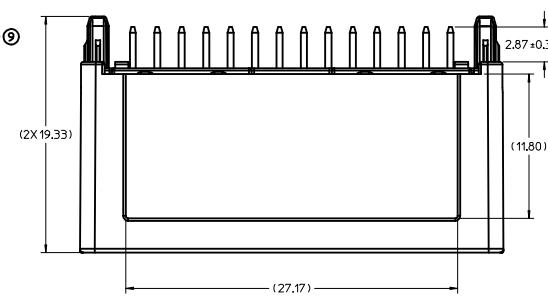
16 CKT VERTICAL HEADER



20 CKT VERTICAL HEADER

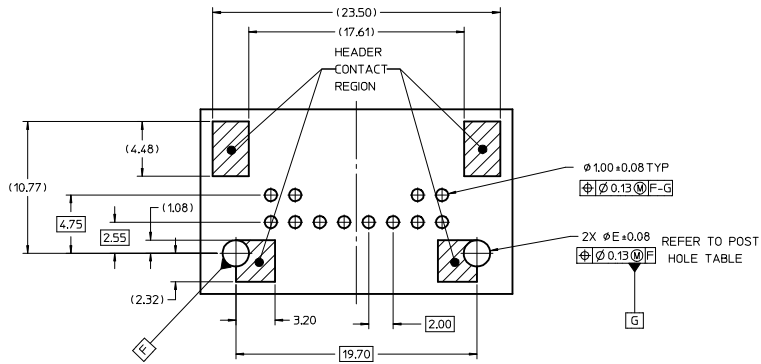


24 CIRCUIT VERTICAL HEADER

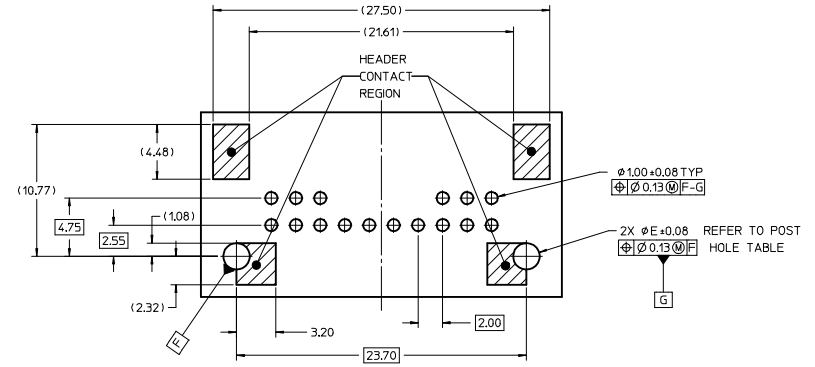


DARK GRAY POL C EC NO: UAU2017-0097 CHKO: 2016/08/01 APPROD: LLSLE 2016/08/04 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE	MINI 50 DUAL ROW VERTICAL ASSEMBLY SALES DRAWING molex		
	▽=0	4 PLACES ± --- ± ---	TCUCU	2011/02/25	CHECKED BY	DATE			MATERIAL NO.
	▽=0	2 PLACES ± --- ± ---	TMACHUGA	2011/02/28	APPROVED BY	DATE			
G		0 PLACES ± 0.10 ± 0.20	SMARCEAU	2012/05/03	SEE CHART		SD-34825-001		SHEET NO. 2 OF 4
		ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

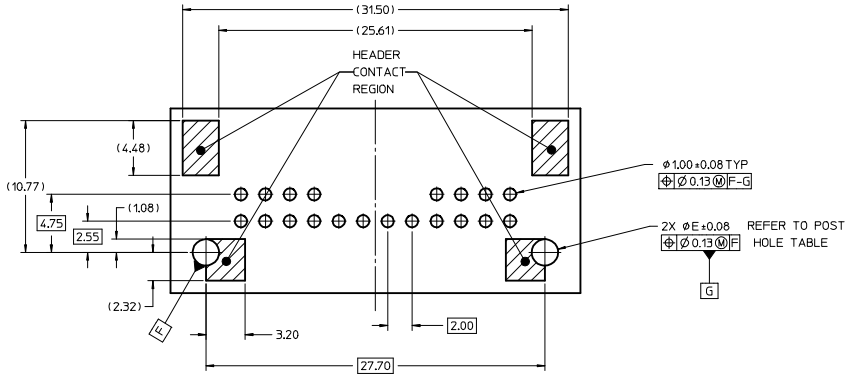
12 CKT VERTICAL HEADER PCB CONFIGURATION



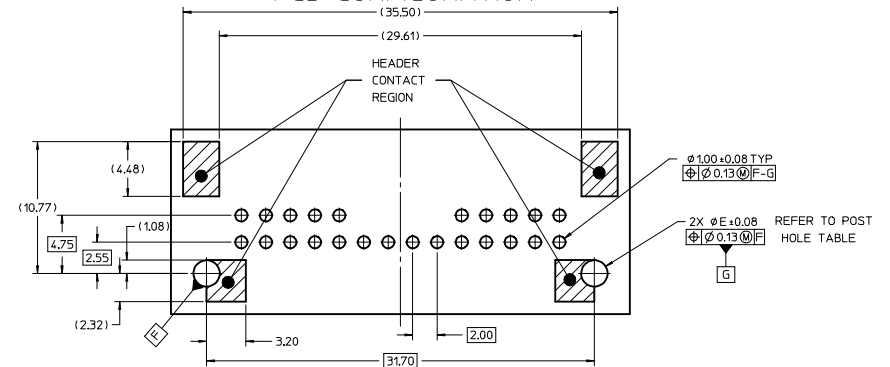
16 CKT VERTICAL HEADER PCB CONFIGURATION



20 CKT VERTICAL HEADER PCB CONFIGURATION



24 CKT VERTICAL HEADER PCB CONFIGURATION



POST HOLE TABLE

	DIM 'E'
PRESS FIT	2.15
DROP IN	2.55

DARK GRAY POL C IEC NO: UAU2017-0097 DRAWN: BERG CHKO: APPR: DC LLSLE 2016/08/04 2016/08/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ±	MM ONLY	5:1	METRIC	MINI 50 DUAL ROW
	▽=0	3 PLACES ±				VERTICAL ASSEMBLY
	▽=0	2 PLACES ±				SALES DRAWING
MATERIAL NO. SEE CHART THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	4 PLACES ±	1 PLACE ±	DRAWN BY	DATE	DOCUMENT NO.	SHEET NO.
	1 PLACE ±	0 PLACE ±	TCUCU	2011/02/25	SD-34825-001	3 OF 4
			CHECKED BY	DATE		
			TMAHUGA	2011/02/28		
			APPROVED BY	DATE		
			SMARCEAU	2012/05/03		

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

MINI 50 VERTICAL HEADER ASSEMBLIES

MATERIAL NUMBER TAPE AND REEL PACKAGING PK-47799-0001	MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TRAY PACKAGING PK-31301-440	CONFIGURATION	CIRCUIT	POL	COLOR	BLADE PLATING	MATING COMPONENT	
								UN-BRIDGED	BRIDGED
34825-8124	34825-9124	34825-0124	USCAR	12	A	BLACK	TIN OVER NICKEL	34824-0124	34824-1124
34825-8125	34825-9125	34825-0125	USCAR	12	B	GRAY	TIN OVER NICKEL	34824-0125	34824-1125
34825-8126	34825-9126	34825-0126	USCAR	12	C	DARK GRAY	TIN OVER NICKEL	34824-0126	34824-1126
34825-8160	34825-9160	34825-0160	MOLEX	16	A	BLACK	TIN OVER NICKEL	34824-0160	34824-1160
34825-8161	34825-9161	34825-0161	MOLEX	16	B	GRAY	TIN OVER NICKEL	34824-0161	34824-1161
34825-8162	34825-9162	34825-0162	MOLEX	16	C	DARK GRAY	TIN OVER NICKEL	34824-0162	34824-1162
34825-8200	34825-9200	34825-0200	MOLEX	20	A	BLACK	TIN OVER NICKEL	34824-0200	34824-1200
34825-8201	34825-9201	34825-0201	MOLEX	20	B	GRAY	TIN OVER NICKEL	34824-0201	34824-1201
34825-8202	34825-9202	34825-0202	MOLEX	20	C	DARK GRAY	TIN OVER NICKEL	34824-0202	34824-1202
34825-8240	34825-9240	34825-0240	MOLEX	24	A	BLACK	TIN OVER NICKEL	34824-0240	34824-1240
34825-8241	34825-9241	34825-0241	MOLEX	24	B	GREY	TIN OVER NICKEL	34824-0241	34824-1241
34825-8242	34825-9242	34825-0242	MOLEX	24	C	DARK GRAY	TIN OVER NICKEL	34824-0242	34824-1242

C DARK GRAY POL C EC NO: UAU2017-0097 DRAWN: BERG CHKD: APPR: DC LLSLE REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		ANGULAR ± 3 °		DRAWN BY TCUCU		DATE 2011/02/25	TITLE MINI 50 DUAL ROW VERTICAL ASSEMBLY SALES DRAWING molex	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY TMACHUGA		DATE 2011/02/28		
				APPROVED BY SMARCEAU		DATE 2012/05/03		
				MATERIAL NO.		DOCUMENT NO. SD-34825-001		
				SIZE D		SEE CHART		
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1