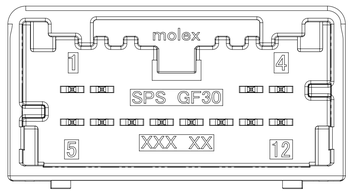
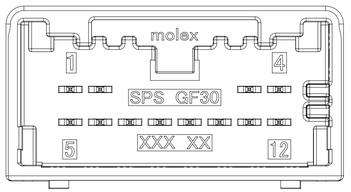


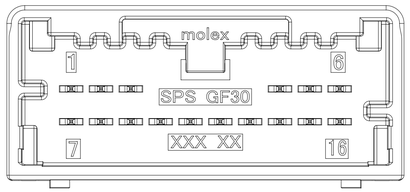
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION A



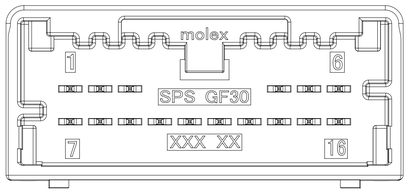
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION B



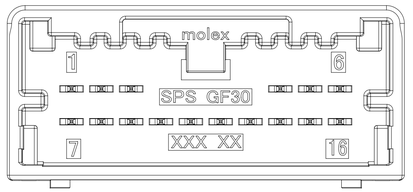
12 CIRCUIT VERTICAL USCAR HEADER
POLARIZATION OPTION C



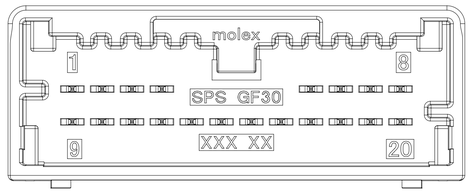
16 CKT VERTICAL HEADER
POLARIZATION OPTION A



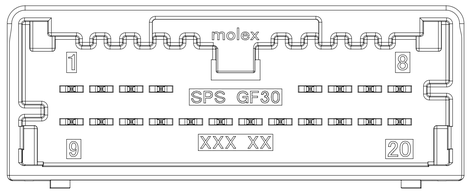
16 CKT VERTICAL HEADER
POLARIZATION OPTION B



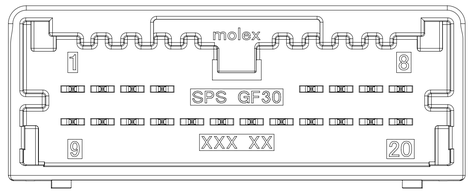
16 CKT VERTICAL HEADER
POLARIZATION OPTION C



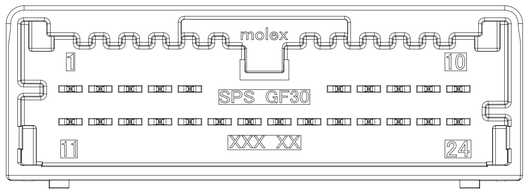
20 CKT VERTICAL HEADER
POLARIZATION OPTION A



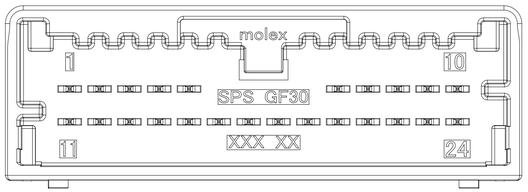
20 CKT VERTICAL HEADER
POLARIZATION OPTION B



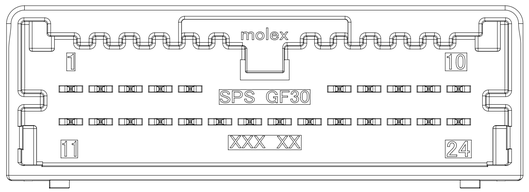
20 CKT VERTICAL HEADER
POLARIZATION OPTION C



24 CKT VERTICAL HEADER
POLARIZATION OPTION A



24 CKT VERTICAL HEADER
POLARIZATION OPTION B



24 CKT VERTICAL HEADER
POLARIZATION OPTION C

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.

INSPECTION BALLON NUMBER LOG
PER DRAWING REVISION: G2
LAST BALLOON USED: 20
ADDED BALLOON NUMBERS: 19, 20
REMOVED BALLOON NUMBERS: 1, 2, 3, 4, 5, 6

REV	DESCRIPTION
G3	UPDATED VIEWS TO MATCH CURRENT PRODUCTION. DIMS AND GEOMETRY DID NOT CHANGE
G2	ADDED NOTE AND PIN TP TO SHEET 2
G1	NX REMASTERING

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

QUALITY SYMBOLS
A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
G = 0

EC NO: 620513 2019/06/17
DRWN: SRUSS 2019/07/09
CHK'D: JDUNAJ 2019/07/11
APPR: JDUNAJ
REV G3

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

DIMENSION UNITS: MM ONLY
SCALE: 5:1
DRWN BY: TCUCU DATE: 2011/02/25
CHK'D BY: TMACHUGA DATE: 2011/02/28
APPR BY: SMARCEAU DATE: 2012/05/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

MINI50 VERT DUAL ROW
VERTICAL ASSEMBLY SALES DRAWING

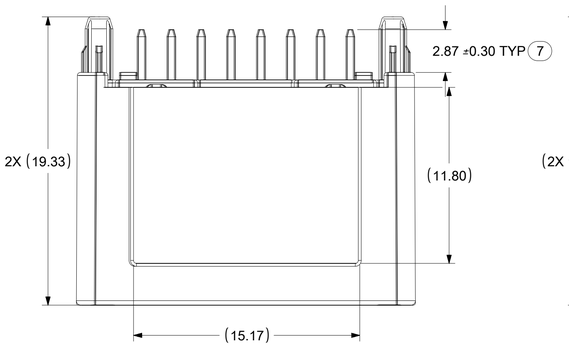
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34825	SEE CHART	GENERAL MARKET

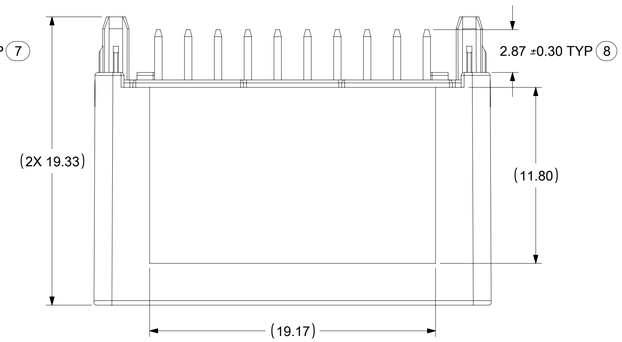
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34825-001	PSD	001	1 OF 4

RELEASE STATUS	P1	RELEASE DATE	2019/07/11 19:47:42

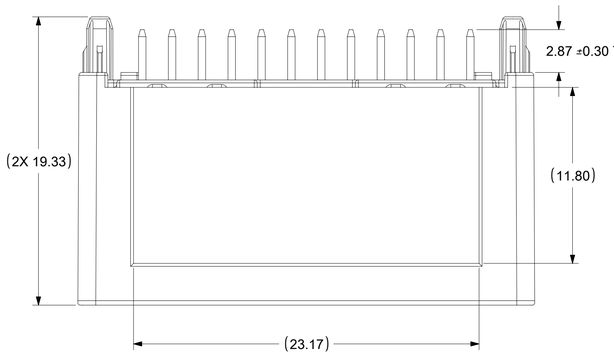
12 CKT VERTICAL HEADER



16 CKT VERTICAL HEADER

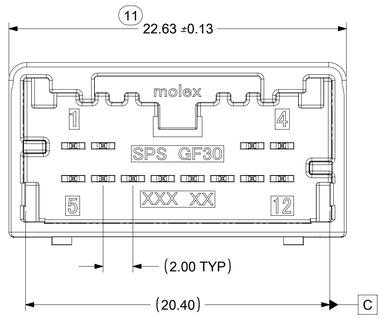


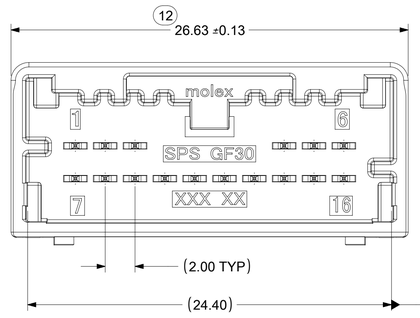
20 CKT VERTICAL HEADER

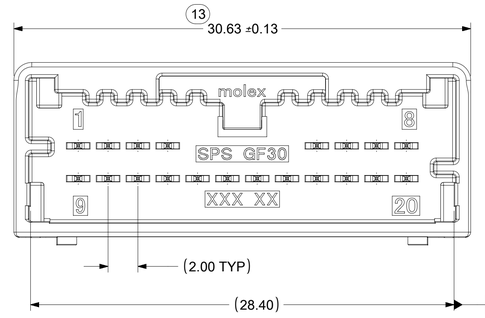


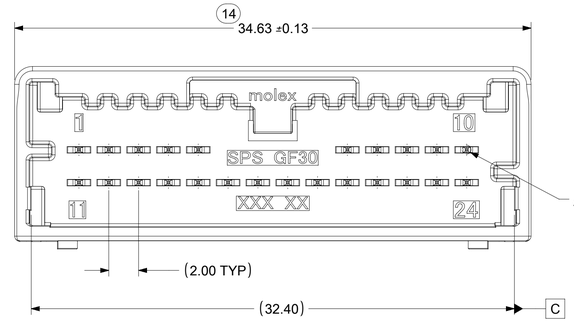
24 CKT VERTICAL HEADER

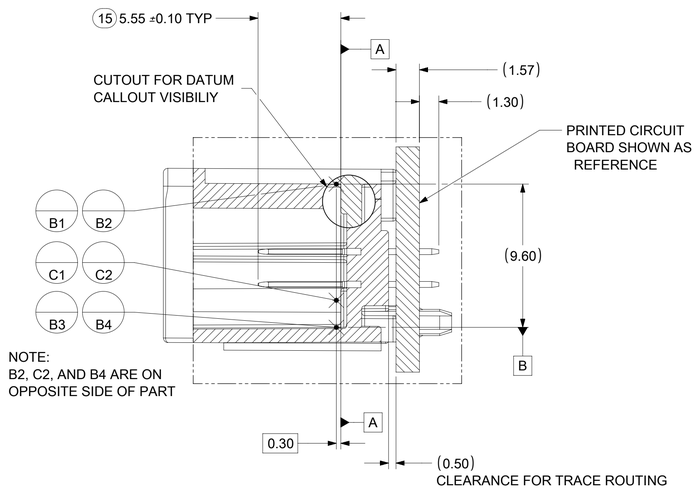


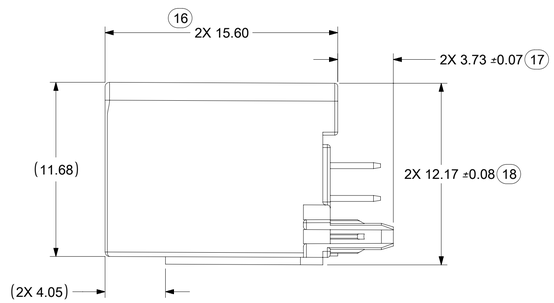


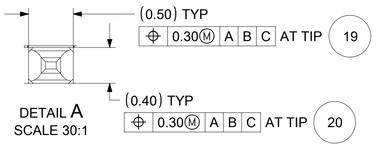












NOTE: SIDE VIEW IS SIMILAR FOR ALL CKTS ON THIS DRAWING

QUALITY SYMBOLS	
E (A)	= 0
E (C)	= 0
E (P)	= 0
	= 0
C	= 0
	= 0
	= 0
C	= 0

2019/08/17 EC NO: 620513
2019/07/09 DRWN: SRUSS
2019/07/11 CHK'D: JDUNAJ
APPR: JDUNAJ
REV G3

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

DIMENSION UNITS: MM ONLY
SCALE: 5:1
DRWN BY: TCUCU DATE: 2011/02/25
CHK'D BY: TMACHUGA DATE: 2011/02/28
APPR BY: SMARCEAU DATE: 2012/05/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

molex®

MINI50 VERT DUAL ROW
VERTICAL ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

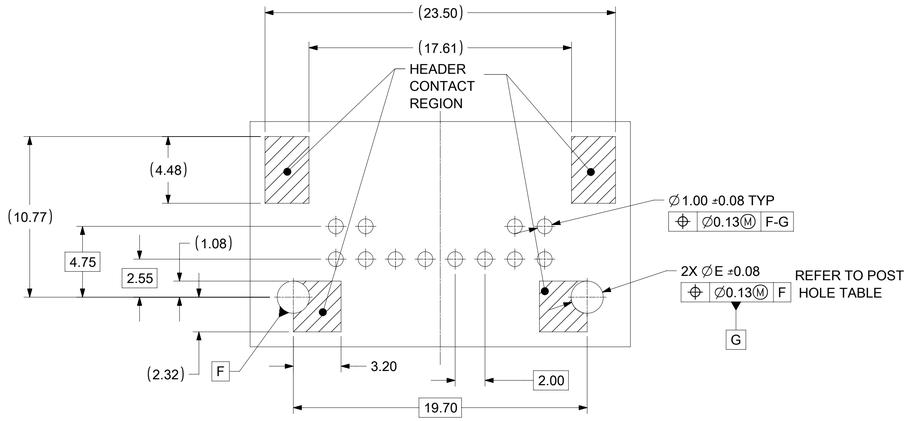
SERIES	MATERIAL NUMBER	CUSTOMER
34825	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34825-001	PSD	001	2 OF 4

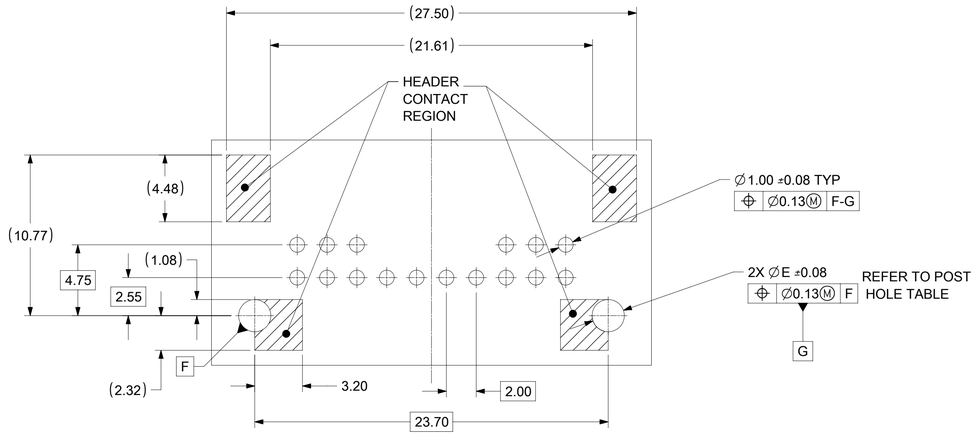
RELEASE STATUS	P1	RELEASE DATE	2019/07/11 19:47:42

TEMPLATE FAMILY: STANDARD
REVISION: G
DATE: 2017/10/06

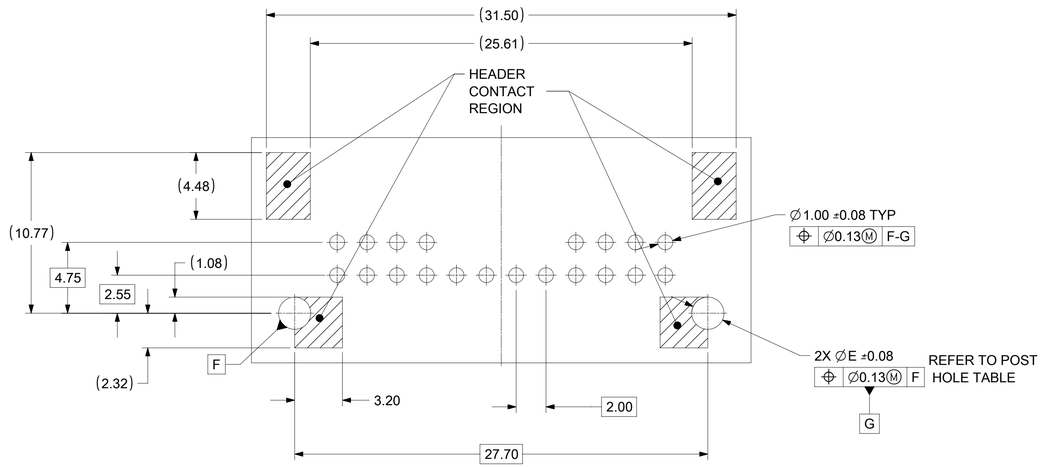
12 CKT VERTICAL HEADER PCB CONFIGURATION



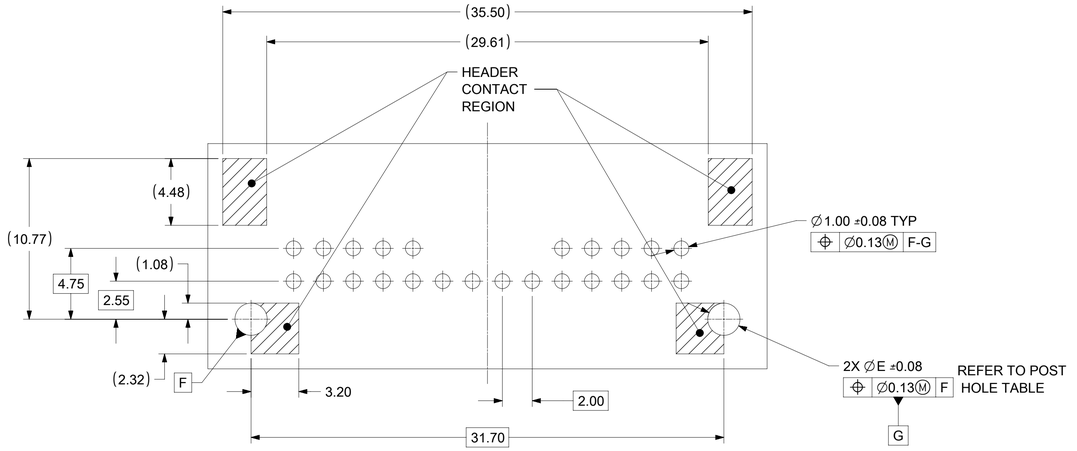
16 CKT VERTICAL HEADER PCB CONFIGURATION



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

RELEASE STATUS	P1
RELEASE DATE	2019/07/11 19:47:42

QUALITY SYMBOLS: A = 0; E = 0; F = 0; C = 0; = 0; = 0; = 0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 620513 2019/08/17
DRWN: SRUSS 2019/07/09
CHK'D: JDUNAJ 2019/07/11
APPR: JDUNAJ
REV: G3

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

DIMENSION UNITS: MM ONLY
SCALE: 5:1
DRWN BY: TCUCU DATE: 2011/02/25
CHK'D BY: TMACHUGA DATE: 2011/02/28
APPR BY: SMARCEAU DATE: 2012/05/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

MINI50 VERT DUAL ROW
VERTICAL ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34825	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34825-001	PSD	001	3 OF 4

TEMPLATE VERSION 20140727
REVISION: G
DATE: 2017/05/08

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	VOIDED CIRCUITS	POL	COLOR	BLADE PLATING	MATING COMPONENT	
									UN-BRIDGED	BRIDGED
34825-8124	34825-9124	34825-0124	USCAR	12	N/A	A	BLACK	TIN	34824-0124	34824-1124
34825-8125	34825-9125	34825-0125	USCAR	12	N/A	B	GRAY	TIN	34824-0125	34824-1125
34825-8126	34825-9126	34825-0126	USCAR	12	N/A	C	DARK GRAY	TIN	34824-0126	34824-1126
34825-8160	34825-9160	34825-0160	USCAR	16	N/A	A	BLACK	TIN	34824-0160	34824-1160
34825-8161	34825-9161	34825-0161	USCAR	16	N/A	B	GRAY	TIN	34824-0161	34824-1161
34825-8162	34825-9162	34825-0162	USCAR	16	N/A	C	DARK GRAY	TIN	34824-0162	34824-1162
34825-8200	34825-9200	34825-0200	USCAR	20	N/A	A	BLACK	TIN	34824-0200	34824-1200
34825-8201	34825-9201	34825-0201	USCAR	20	N/A	B	GRAY	TIN	34824-0201	34824-1201
34825-8202	34825-9202	34825-0202	USCAR	20	N/A	C	DARK GRAY	TIN	34824-0202	34824-1202
34825-8240	34825-9240	34825-0240	USCAR	24	N/A	A	BLACK	TIN	34824-0240	34824-1240
N/A	N/A	34825-0244			2,3,4,7,8,9 12,13,14,16,19,21,22,23					
N/A	N/A	34825-0245	USCAR	24	2,3,4,7,8,9 12,13,14,16,19,21,22,23	B	GRAY	TIN	34824-0241	34824-1241
34825-8241	34825-9241	34825-0241	USCAR	24	N/A	B	GRAY	TIN	34824-0241	34824-1241
34825-8242	34825-9242	34825-0242	USCAR	24	N/A	C	DARK GRAY	TIN	34824-0242	34824-1242

QUALITY SYMBOLS
E = 0
F = 0
D = 0
= 0
C = 0
= 0
= 0
G = 0

2019/06/17
2019/07/09
2019/07/11

EC NO: 620513
DRWN: SRUSS
CHK'D: JDUNAJ
APPR: JDUNAJ

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

REV G3

DIMENSION UNITS: MM ONLY
SCALE: 1:1
DRWN BY: TCUCU DATE: 2011/02/25
CHK'D BY: TMACHUGA DATE: 2011/02/28
APPR BY: SMARCEAU DATE: 2012/05/03
DRAWING SIZE: D
THIRD ANGLE PROJECTION

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

molex®

MINI50 VERT DUAL ROW
VERTICAL ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34825	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34825-001	PSD	001	4 OF 4

RELEASE STATUS	P1	RELEASE DATE	2019/07/11 19:47:42

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

439151216 459705185 0190690033 0436400901 151670255 190730231 190990010 447691602
152670357 5046940301 0436802002 397730002 398800403 447641402 0190700155 152660117
152670251 190990009 417920538 430451220 760475001 152670269 444280402 190670071 436803002
151660057 190690096 430450225 447642001 759001161