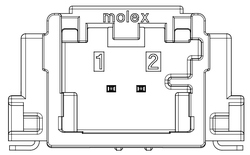


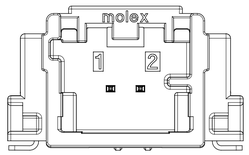
2 CKT SMT HEADER
POLARIZATION OPTION A

TIN P/N: 34912-8020
GOLD P/N: 34912-6020



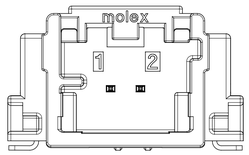
2 CKT SMT HEADER
POLARIZATION OPTION B

TIN P/N: 34912-8021
GOLD P/N: 34912-6021



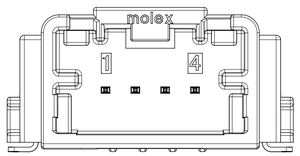
2 CKT SMT HEADER
POLARIZATION OPTION C

TIN P/N: 34912-8022
GOLD P/N: 34912-6022



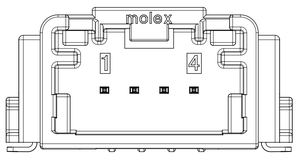
2 CKT SMT HEADER
POLARIZATION OPTION D

TIN P/N: 34912-8023
GOLD P/N: 34912-6023



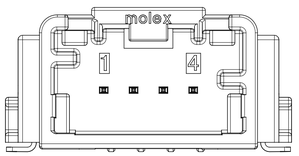
4 CKT SMT HEADER
POLARIZATION OPTION A

TIN P/N: 34912-8040
GOLD P/N: 34912-6040



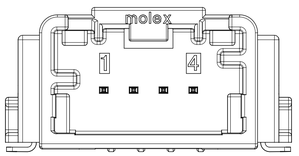
4 CKT SMT HEADER
POLARIZATION OPTION B

TIN P/N: 34912-8041
GOLD P/N: 34912-6041



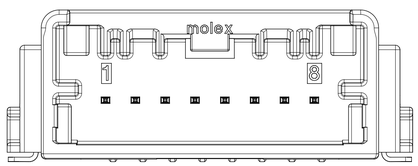
4 CKT SMT HEADER
POLARIZATION OPTION C

TIN P/N: 34912-8042
GOLD P/N: 34912-6042



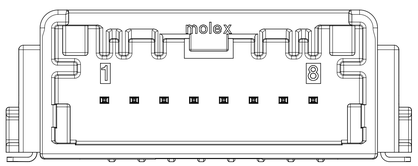
4 CKT SMT HEADER
POLARIZATION OPTION D

TIN P/N: 34912-8043
GOLD P/N: 34912-6043



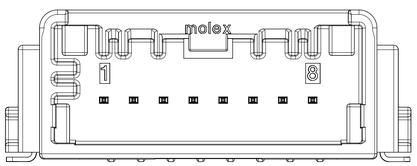
8 CKT SMT HEADER
POLARIZATION OPTION A

TIN P/N: 34912-8080
GOLD P/N: 34912-6080



8 CKT SMT HEADER
POLARIZATION OPTION B

TIN P/N: 34912-8081
GOLD P/N: 34912-6081



8 CKT SMT HEADER
POLARIZATION OPTION C

TIN P/N: 34912-8082
GOLD P/N: 34912-6082

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 BY WEIGHT
   b. BLADES:
      BASE METAL: C260 BRASS
      PLATING REQUIREMENTS:
      TIN OVER NICKEL:
      UNDERPLATING:
      OVERALL NICKEL
      OVERPLATING:
      OVERALL TIN
      GOLD:
      UNDERPLATING: OVERALL NICKEL
      OVERPLATING:
      CONTACT AREA: GOLD
      GRIP AREA: 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 BELOW SURROUNDING SURFACE OF PART. THIS INCLUDES RECYCLING CODE,PLANT AND CAVITY ID, VENDOR ID, AND CIRCUIT ID.
   g. TRACEABILITY TO BE MARKED IN AREA SHOWN. MARK IS CODED AS FOLLOWS:
      ROW 1 (XXXXX): MOLEX SINGLE ROW SMT HEADER SERIES NUMBER (34912)
      ROW 2 (HHDDDYY):
      - 1ST & 2ND DIGITS: HOUR OF ASSEMBLY (24 HOUR CLOCK) (EXAMPLE: 15:00 > '15'; 7:00 -> '07')
      - 3RD THRU 5TH DIGITS: JULIAN DATE (EXAMPLE: FEBRUARY 3RD -> '034')
      - 6TH & 7TH DIGITS: LAST 2 DIGITS OF CALENDAR YEAR (EXAMPLE: 2013 -> '13)

INSPECTION BALLON NUMBER LOG
PER DRAWING REVISION: M3
LAST BALLOON USED: 18
ADDED BALLOON NUMBERS: 17, 18
REMOVED BALLOON NUMBERS:

REV	DESCRIPTION
M3	ADDED NOTE, LABEL, AND PIN TP
M1	NX REMASTERING

QUALITY SYMBOLS	
FA	= 0
E	= 0
FP	= 0
	= 0
C	= 0
	= 0
	= 0
C	= 0

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

EC NO: 614746 2019/03/27
DRWN: SRUSS 2019/03/29
CHK'D: JDUNAJ 2019/03/29
APPR: JDUNAJ

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ± 1.0 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: M3

DIMENSION UNITS: MM ONLY
SCALE: 5:1
DRWN BY: MYOUNG01 DATE: 2012/05/23
CHK'D BY: DATE:
APPR BY: SMARCEAU DATE: 2012/06/01
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

2, 4, 8 CKT MINI 50 SMT
ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

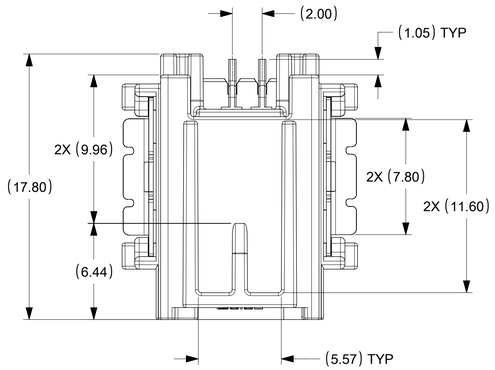
SERIES	MATERIAL NUMBER	CUSTOMER
34912	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34912-001	PSD	000	1 OF 5

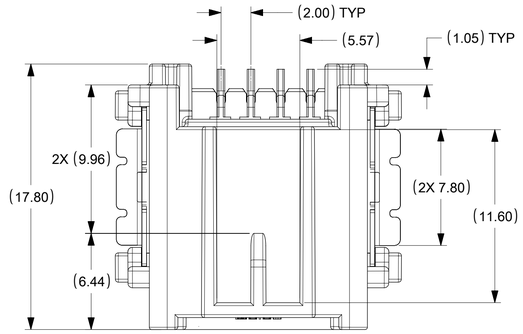
RELEASE STATUS		RELEASE DATE	

TEMPLATE: master-16-size-D
TEMPLATE REV: 1
DATE: 2019/12/14

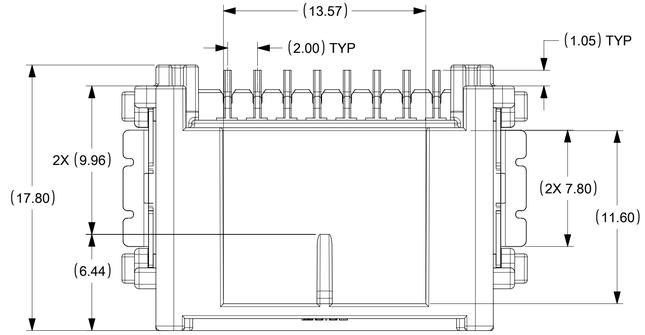
2 CKT SMT HEADER



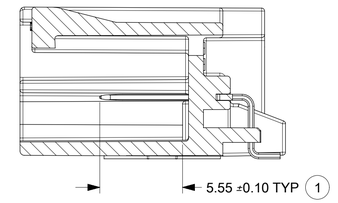
4 CKT SMT HEADER



8 CKT SMT HEADER

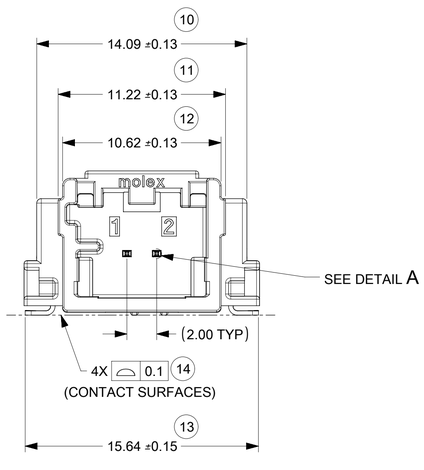


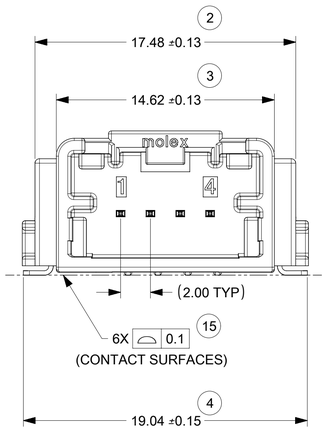
HEADER TO PCB
FLUSH MOUNT

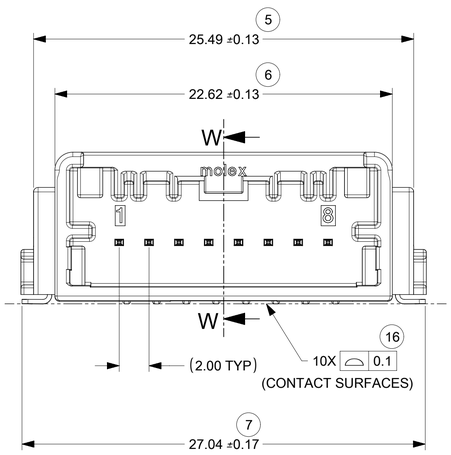


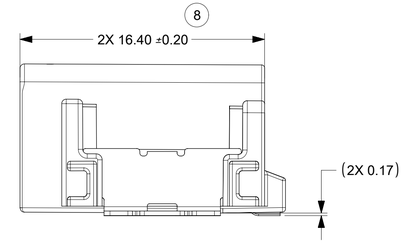
SECTION W-W

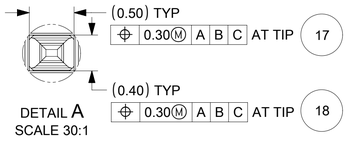
NOTE: SIDE VIEW IS SIMILAR FOR ALL CKTS ON THIS DRAWING











DETAIL A
SCALE 30:1

RELEASE STATUS		RELEASE DATE	

QUALITY SYMBOLS: F = 0; E = 0; D = 0; = 0; C = 0; = 0; = 0; B = 0

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

EC NO: 614746 2019/03/27
DRWN: SRUSS 2019/03/29
CHK'D: JDUNAJ 2019/03/29
APPR: JDUNAJ -

REV: M3

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	1.0 °
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	MYOUNG01
DATE	2012/05/23
CHK'D BY	
DATE	
APPR BY	SMARCEAU
DATE	2012/06/01
DRAWING SIZE	D
THIRD ANGLE PROJECTION	

molex®

2, 4, 8 CKT MINI 50 SMT
ASSEMBLY SALES DRAWING

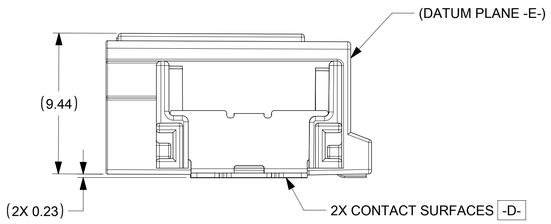
PRODUCT CUSTOMER DRAWING

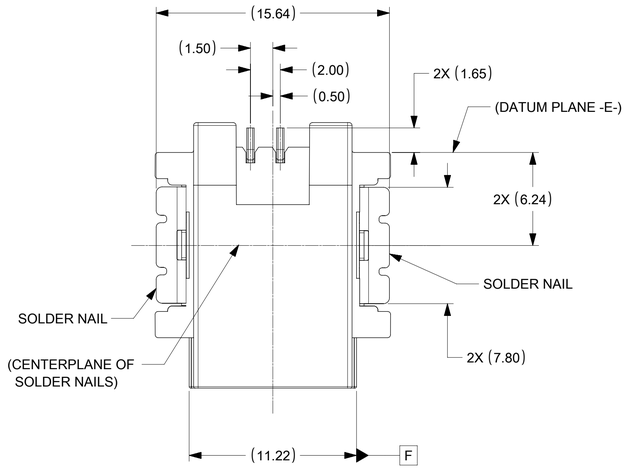
SERIES	MATERIAL NUMBER	CUSTOMER
34912	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34912-001	PSD	000	2 OF 5

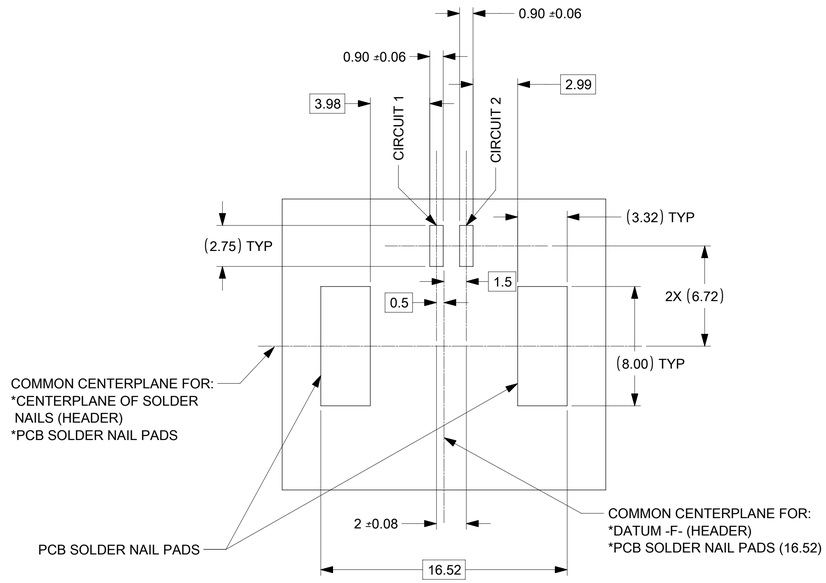
RECOMMENDED PCB LAYOUT:

2 WAY:





2 WAY (BOTTOM VIEW)



PCB LAYOUT

NOTE: 1.UPDATED DIM 2X(1.65) FROM 2X(1.05) AT ZONE 'J9' TO MATCH PRODUCTION PART.
2.UPDATED DIM 2X(6.24) FROM 2X(6.85) AT ZONE 'J8' TO MATCH PRODUCTION PART.

QUALITY SYMBOLS			
A	=	0	
C	=	0	
D	=	0	
	=	0	
C	=	0	
	=	0	
	=	0	
C	=	0	

EC NO: 614746 2019/03/27
DRWN: SRUSS 2019/03/29
CHK'D: JDUNAJ
APPR: JDUNAJ
REV M3

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
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: MYOUNG01 DATE: 2012/05/23
CHK'D BY: DATE:
APPR BY: SMARCEAU DATE: 2012/06/01
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

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2, 4, 8 CKT MINI 50 SMT
ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34912	SEE TABLE	GENERAL MARKET

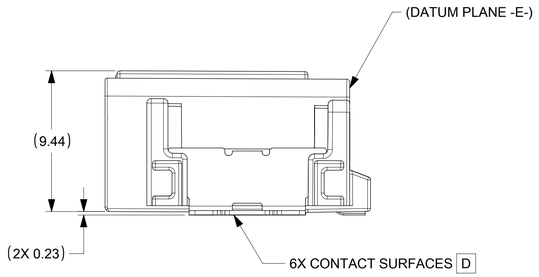
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34912-001	PSD	000	3 OF 5

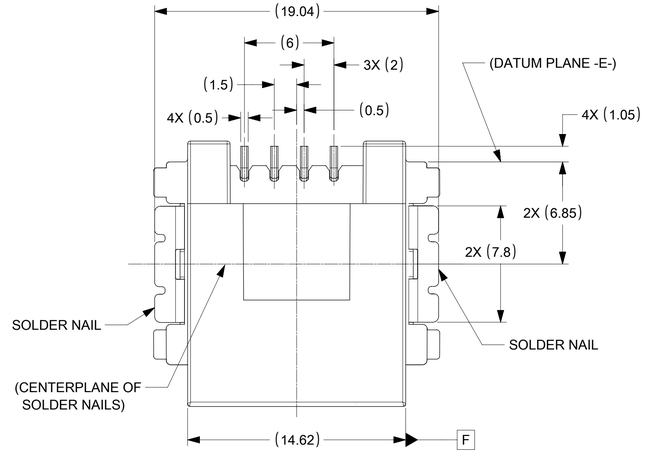
RELEASE STATUS		RELEASE DATE	

PRODUCT: master-fp-prod-v1
TEMPLATE: master-fp-v1
DATE: 2019/10/14

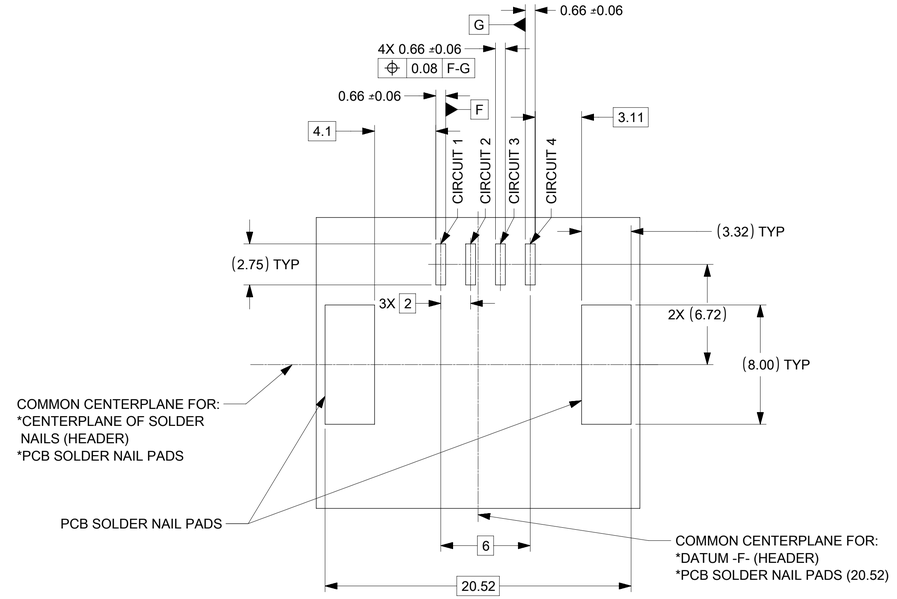
RECOMMENDED PCB LAYOUT:

4 WAY:

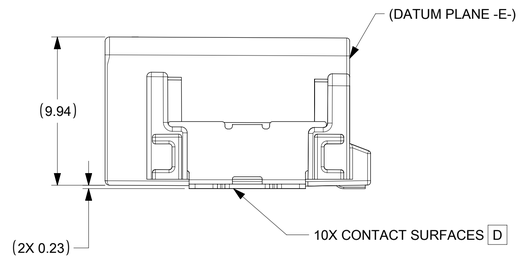


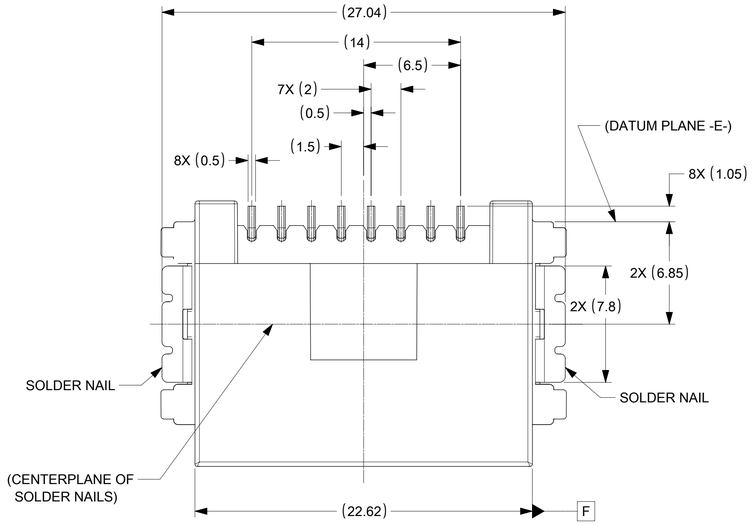


4 WAY (BOTTOM VIEW)

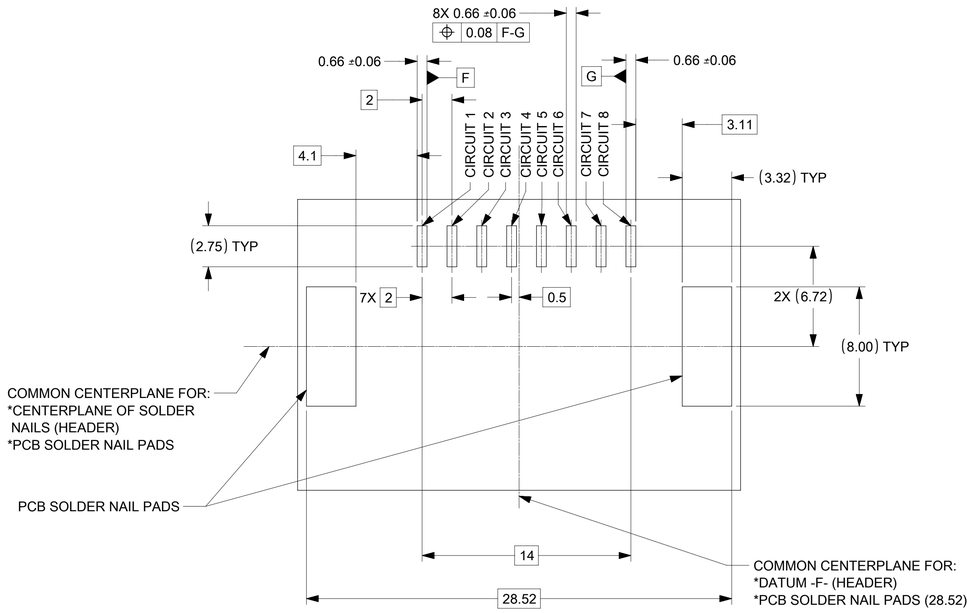


8 WAY:





8 WAY (BOTTOM VIEW)



QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	EC NO: 614746	2019/03/27	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS: MM ONLY	SCALE: 5:1	molex®
FE = 0	DRWN: SRUSS	2019/03/29		DRWN BY: MYOUNG01	DATE: 2012/05/23	2, 4, 8 CKT MINI 50 SMT ASSEMBLY SALES DRAWING
FD = 0	CHK'D: JDUNAJ	2019/03/29	ANGULAR TOL ± 1.0 °	CHK'D BY	DATE	
= 0	APPR: JDUNAJ		4 PLACES ±	APPR BY: SMARCEAU	DATE: 2012/06/01	PRODUCT CUSTOMER DRAWING
C = 0			3 PLACES ±	DRAWING SIZE: D	THIRD ANGLE PROJECTION	SERIES: 34912 / MATERIAL NUMBER: SEE TABLE / CUSTOMER: GENERAL MARKET
= 0			2 PLACES ± 0.1			
= 0			1 PLACE ± 0.2			
C = 0	REV: M3		0 PLACES ±			DOCUMENT NUMBER: SD-34912-001 / DOC TYPE: PSD / DOC PART: 000 / SHEET NUMBER: 4 OF 5
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			

RELEASE STATUS		RELEASE DATE	

TEMPLATE: molex-tri-prod-C
LAYOUT: tri-prod-C
DATE: 2019/12/14

MINI 50 SMT SINGLE ROW ASSEMBLIES

GOLD:

MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TAPE AND REEL PACKAGING PK-31301-786	TOOLED	CONFIGURATION	CIRCUIT	POL	COLOR	BLADE PLATING	MATING COMPONENT	
								UN-BRIDGED	BRIDGED
N/A	34912-6020	NO	MOLEX	2	A	BLACK	GOLD		34791-0020
N/A	34912-6021	NO	MOLEX	2	B	GREY	GOLD		34791-0021
N/A	34912-6022	NO	MOLEX	2	C	DARK GRAY	GOLD		34791-0022
N/A	34912-6023	NO	MOLEX	2	D	GREEN	GOLD		34791-0023
34912-7040	34912-6040	NO	USCAR	4	A	BLACK	GOLD	34791-0040	34791-0140
34912-7041	34912-6041	NO	USCAR	4	B	GREY	GOLD	34791-0041	34791-0141
34912-7042	34912-6042	NO	USCAR	4	C	DARK GRAY	GOLD	34791-0042	34791-0142
34912-7043	34912-6043	NO	USCAR	4	D	GREEN	GOLD	34791-0043	34791-0143
34912-7080	34912-6080	NO	USCAR	8	A	BLACK	GOLD	34791-0080	34791-0180
34912-7081	34912-6081	NO	USCAR	8	B	GREY	GOLD	34791-0081	34791-0181
34912-7082	34912-6082	NO	USCAR	8	C	DARK GRAY	GOLD	34791-0082	34791-0182

TIN:

MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TAPE AND REEL PACKAGING PK-31301-786	CONFIGURATION	CIRCUIT	POL	COLOR	BLADE PLATING	MATING COMPONENT	
							UN-BRIDGED	BRIDGED
N/A	34912-8020	MOLEX	2	A	BLACK	TIN OVER NICKEL		34791-0020
N/A	34912-8021	MOLEX	2	B	GREY	TIN OVER NICKEL		34791-0021
N/A	34912-8022	MOLEX	2	C	DARK GRAY	TIN OVER NICKEL		34791-0022
N/A	34912-8023	MOLEX	2	D	GREEN	TIN OVER NICKEL		34791-0023
34912-9040	34912-8040	USCAR	4	A	BLACK	TIN OVER NICKEL	34791-0040	34791-0140
34912-9041	34912-8041	USCAR	4	B	GREY	TIN OVER NICKEL	34791-0041	34791-0141
34912-9042	34912-8042	USCAR	4	C	DARK GRAY	TIN OVER NICKEL	34791-0042	34791-0142
34912-9043	34912-8043	USCAR	4	D	GREEN	TIN OVER NICKEL	34791-0043	34791-0143
34912-9080	34912-8080	USCAR	8	A	BLACK	TIN OVER NICKEL	34791-0080	34791-0180
34912-9081	34912-8081	USCAR	8	B	GREY	TIN OVER NICKEL	34791-0081	34791-0181
34912-9082	34912-8082	USCAR	8	C	DARK GRAY	TIN OVER NICKEL	34791-0082	34791-0182

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 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: 614746
DRWN: SRUSS 2019/03/27
CHK'D: JDUNAJ 2019/03/29
APPR: JDUNAJ 2019/03/29
REV: M3

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
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: 10:1
DRWN BY: MYOUNG01 DATE: 2012/05/23
CHK'D BY: DATE:
APPR BY: SMARCEAU DATE: 2012/06/01
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

2, 4, 8 CKT MINI 50 SMT
ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34912	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34912-001	PSD	000	5 OF 5

RELEASE STATUS
RELEASE DATE

TEMPLATE: master-36-size-D
TEMPLATE REV: 1
DATE: 2019/12/14

Unikeyic Electronics

Global Electronic Components Distributor

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

molex:

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