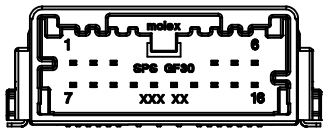
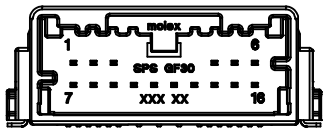
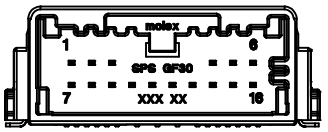


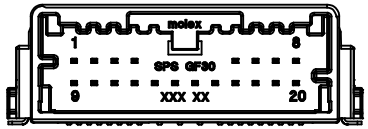
16 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION A
MOLEX P/N: 34897-9160
FORD P/N: GU5T-14F262-DA



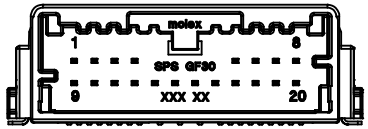
16 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION B
MOLEX P/N: 34897-9161
FORD P/N: GU5T-14F262-EA



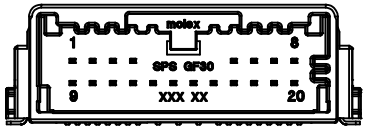
16 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION C
MOLEX P/N: 34897-9162
FORD P/N: GU5T-14F262-FA



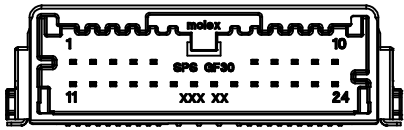
20 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION A
MOLEX P/N: 34897-9200



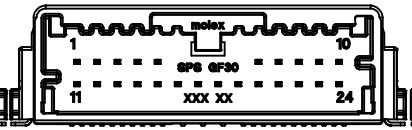
20 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION B
MOLEX P/N: 34897-9201



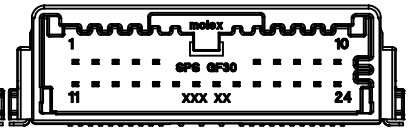
20 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION C
MOLEX P/N: 34897-9202



24 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION A
MOLEX P/N: 34897-9240



24 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION B
MOLEX P/N: 34897-9241



24 CKT SMT HEADER ASSEMBLY
POLARIZATION OPTION C
MOLEX P/N: 34897-9242

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: PK-31301-688
   d. SOLDERABILITY PER SMES-152
   e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000300
   f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
   g. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191

2. DESIGN - MATERIALS:
   a. SHROUD (PASTIC HOUSING): SPS 30%, 20% REGREIND 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 1005 CAD GENERATED PART> THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY OTHER INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL/
   b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
   c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
   d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
   e. CORNERS SHOWN AS SHARP TO BE R 0.1 MAX.
   f. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.

4. DESIGN - MANUFACTURING:
   a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

LTRS.	REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP	
RELEASED GU5T-14F262-DA, GU5T-14F262-EA, AND GU5T-14F262-FA				
AELE E 117756560 810			2014/03/17	
YOUNG	BAUMAN	ASANKOV1		

		MATING COMPONENT				
FORD P/N	MOLEX P/N	CIRCUIT	POL	COLOR	FORD P/N	MOLEX P/N
GU5T-14F262-DA	34897-9160	16	A	BLACK	GU5T-14489-LA	34824-0160
GU5T-14F262-EA	34897-9161	16	B	GRAY	GU5T-14489-MA	34824-0161
GU5T-14F262-FA	34897-9162	16	C	DARK GRAY	GU5T-14489-NA	34824-0162
N/A	34897-9200	20	A	BLACK	N/A	34824-0200
N/A	34897-9201	20	B	GRAY	N/A	34824-0201
N/A	34897-9202	20	C	DARK GRAY	N/A	34824-0202
N/A	34897-9240	24	A	BLACK	N/A	34824-0240
N/A	34897-9241	24	B	GRAY	N/A	34824-0241
N/A	34897-9242	24	C	DARK GRAY	N/A	34824-0242

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE													
		OVER	0	1	3	6	10	15	22	30	40	53	70	90	120
		UP TO	1	3	6	10	15	22	30	40	53	70	90	120	160
PRECISION ENGINEERING	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
	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)

REFERENCE ---

PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1
TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.

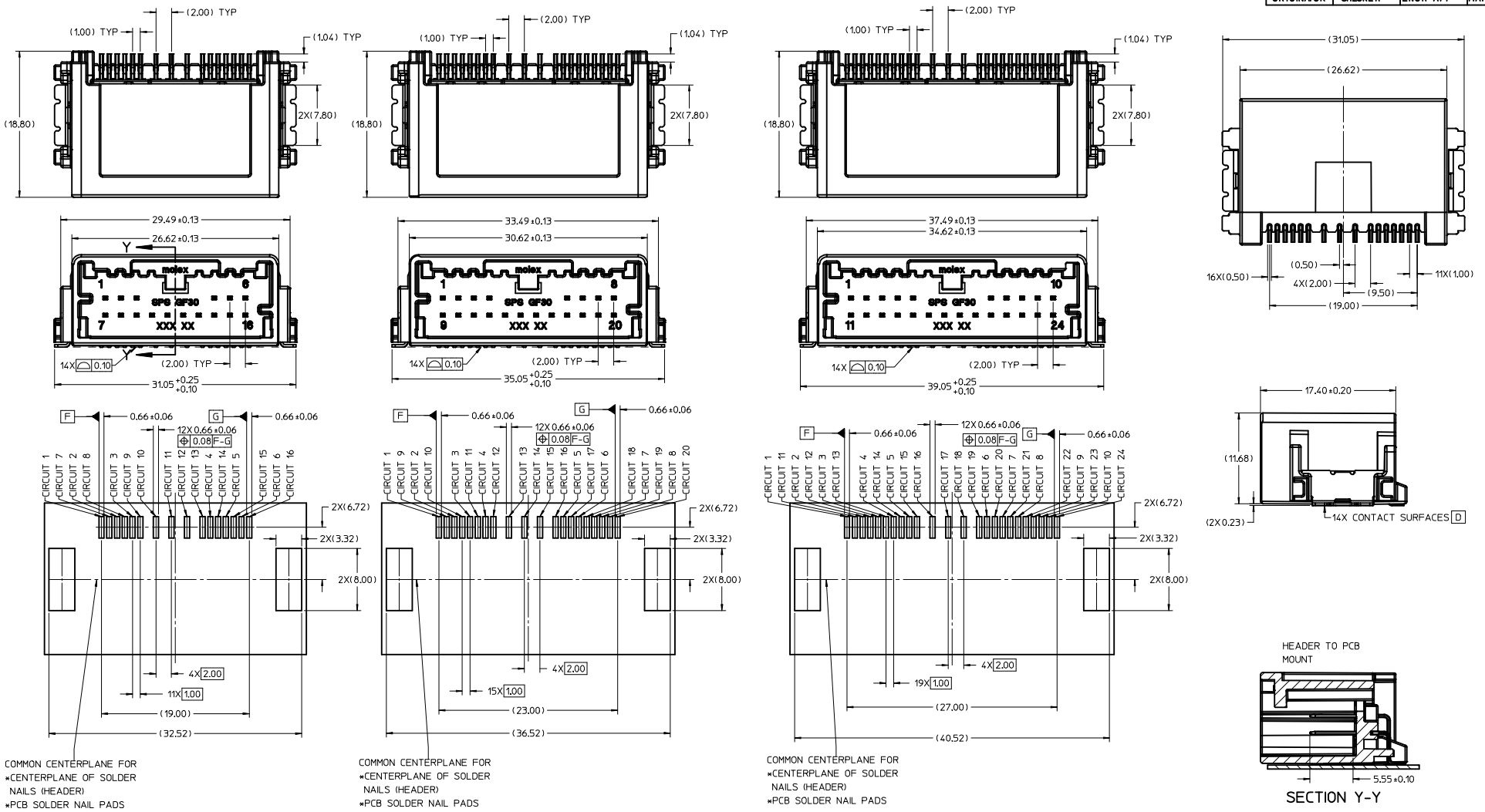
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE

3RD ANGLE PROJ
DIMENSIONS IN MILLIMETERS

CAD TYPE	CAD LOC.	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING GU5T-14F262-DA	
DESIGN MYOUNG01	DETAIL ---	TITLE MINI 50 DUAL ROW	SHT 1 OF 2
CHECKED RBAUMAN	SAFETY		
SCALE 4:1	DATE 2014/03/17	DIVISION PLANT	

DRW SIZE A1/D

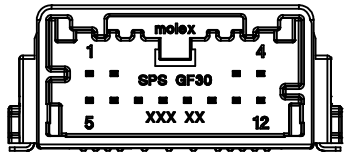
LTRS.	REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP	



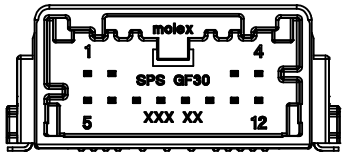
SECTION Y-Y

REFERENCE ---			
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.			
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE		3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS	
CAD TYPE	CAD LOC.	CAD FILE	IS MASTER
OPER. NO.	UNIT	DRAWING GU5T-14F262-DA	
DESIGN MYOUNG01	DETAIL ---	TITLE MINI 50 DUAL ROW	SHT 2 OF 2
CHECKED RBAUMAN	SAFETY		
SCALE 4:1	DATE 2014/03/17	DIVISION PLANT	

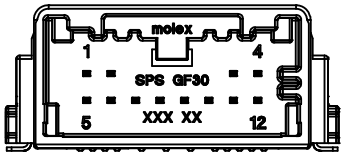
DRW SIZE A1/D



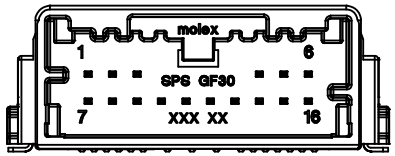
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION A



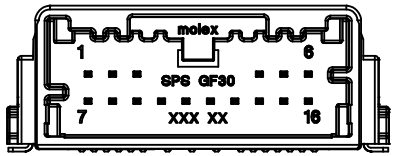
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION B



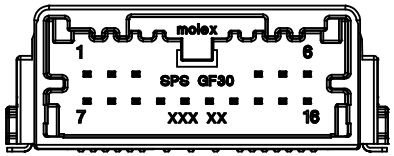
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION C



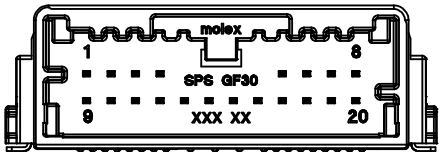
16 CIRCUIT SMT HEADER
POLARIZATION OPTION A



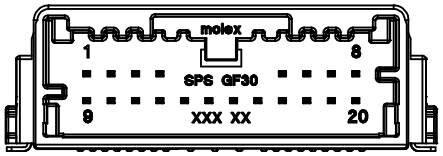
16 CIRCUIT SMT HEADER
POLARIZATION OPTION B



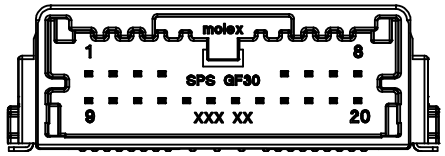
16 CIRCUIT SMT HEADER
POLARIZATION OPTION C



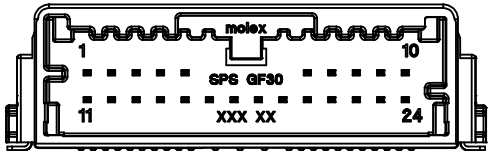
20 CIRCUIT SMT HEADER
POLARIZATION OPTION A



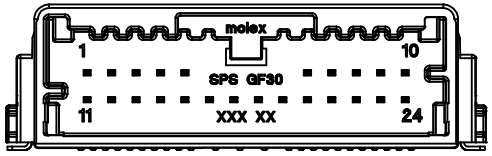
20 CIRCUIT SMT HEADER
POLARIZATION OPTION B



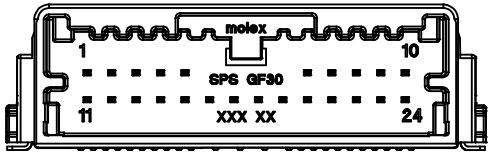
20 CIRCUIT SMT HEADER
POLARIZATION OPTION C



24 CIRCUIT SMT HEADER
POLARIZATION OPTION A



24 CIRCUIT SMT HEADER
POLARIZATION OPTION B



24 CIRCUIT SMT 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
      GOLD:
      UNDERPLATING:
      OVERALL NICKEL
      OVERPLATING:
      CONTACT AREA: ELECTRODEPOSITED GOLD
      0.76 MICROMETERS MINIMUM HARD GOLD
      PCB CONTACT AREA: ELECTRODEPOSITED TIN MATTE FINISH
      2.5 MICROMETERS MINIMUM THICKNESS

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.

LAST BALLOON ON DRAWING:
(14)
DELETED BALLOONS:

GOLD PLATING
EC NO: UAU2017-0254 2016/09/21
DRWN:KHEWITT
CH'KD:
APPR:RBAUMAN 2016/09/26
DESCRIPTION
REV
W

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.20	± ---
ANGULAR ± 1 °		

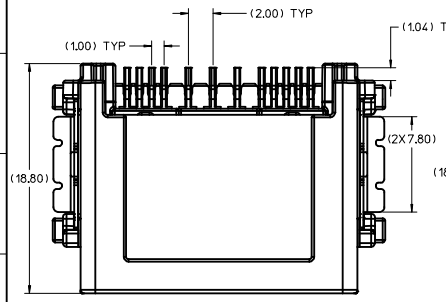
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

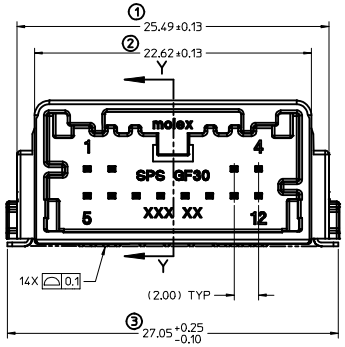
DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TMACHUGA DATE: 2011/11/23
CHECKED BY: DATE:
APPROVED BY: SMARCEAU DATE: 2011/12/19
MATERIAL NO.: SEE CHART

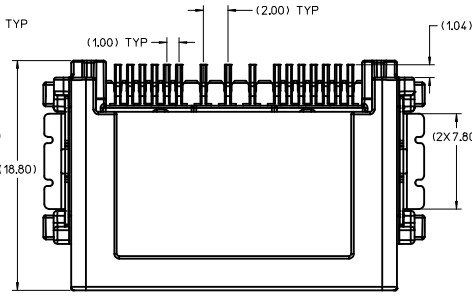
TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-34897-001
SHEET NO.: 1 OF 5
SIZE: D

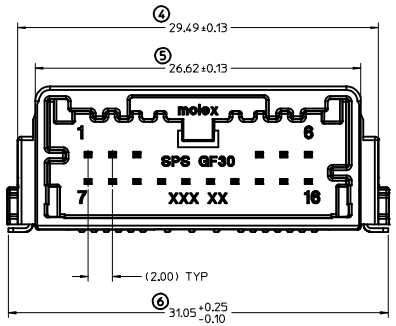
12 CKT SMT USCAR HEADER



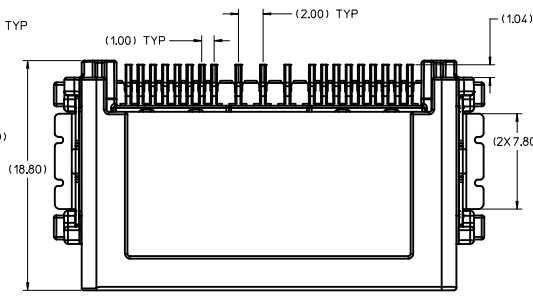


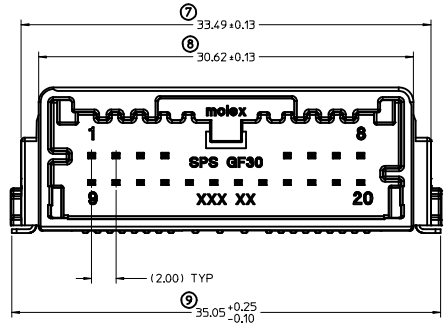
16 CKT SMT HEADER



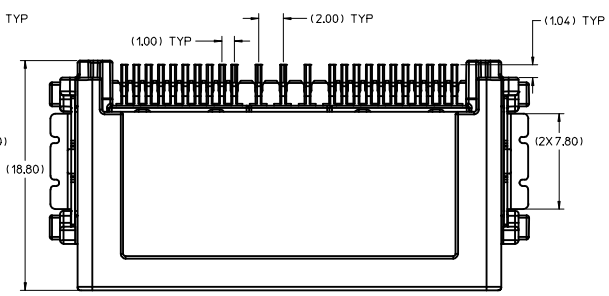


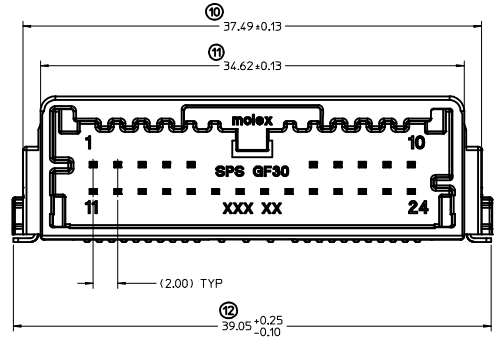
20 CKT SMT HEADER



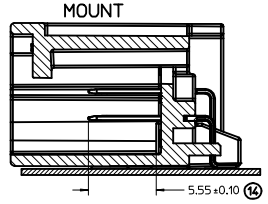


24 CKT SMT HEADER





HEADER TO PCB MOUNT



SECTION Y-Y

GOLD PLATING
EC NO: UAU2017-0254 2016/09/21
DRWN:KHEWITT 2016/09/26
CH'KD:
APPR:RBAUMAN
REV: W
DESCRIPTION

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.20	± ---
ANGULAR ± 1 °		

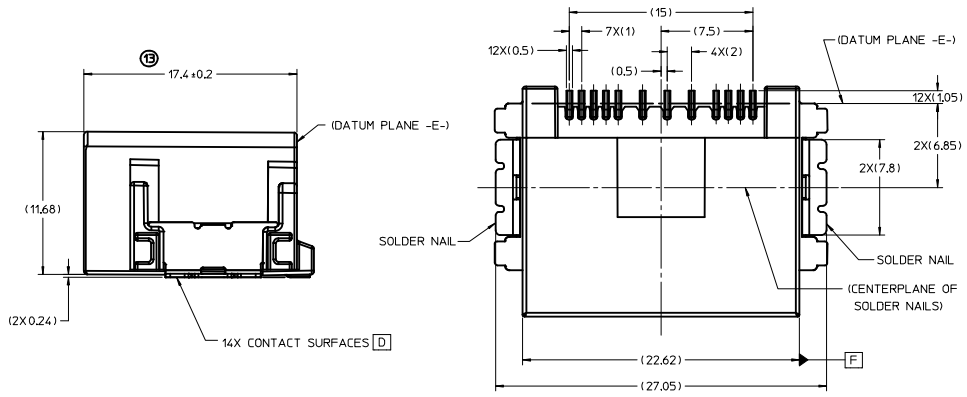
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

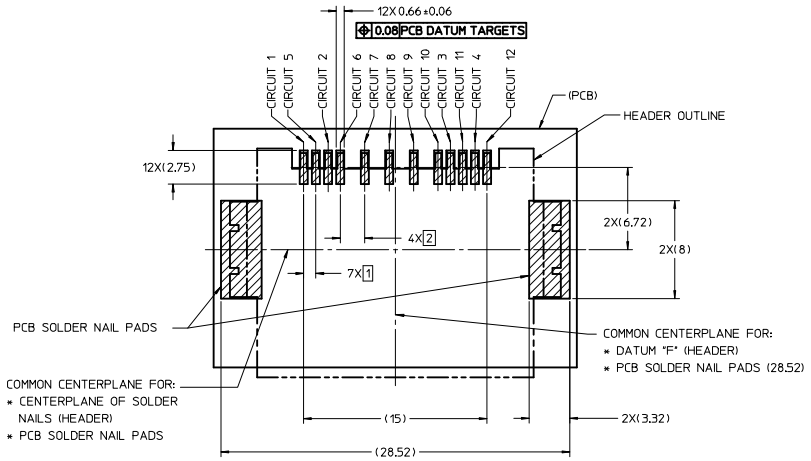
DRAWN BY: TMACHUGA DATE: 2011/11/23
CHECKED BY: DATE:
APPROVED BY: SMARCEAU DATE: 2011/12/19
MATERIAL NO.: SEE CHART
SIZE: D

TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-34897-001
SHEET NO.: 2 OF 5

RECOMMENDED PCB LAYOUT:



12 CKT SMT USCAR HEADER (BOTTOM VIEW)



12 CKT PCB LAYOUT
(OTHER CIRCUIT SIZES ARE SIMILAR)

GOLD PLATING
EC NO: UAU2017-0254 2016/09/21
DRWN:KHEWITT
CHKD:
APPR:RBAUMAN 2016/09/26
DESCRIPTION
W
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 ± 1 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

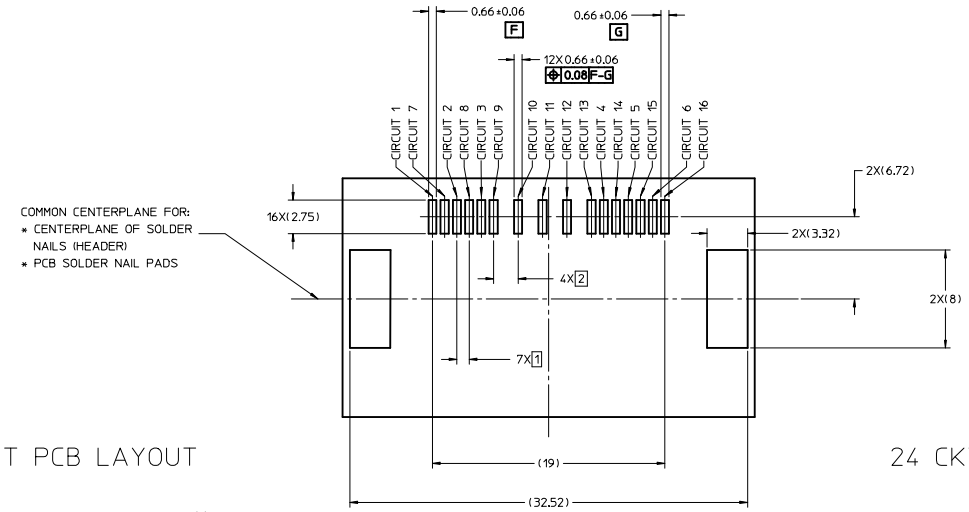
DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TMACHUGA DATE: 2011/11/23
CHECKED BY: DATE:
APPROVED BY: SMARCEAU DATE: 2011/12/19
MATERIAL NO.: SEE CHART

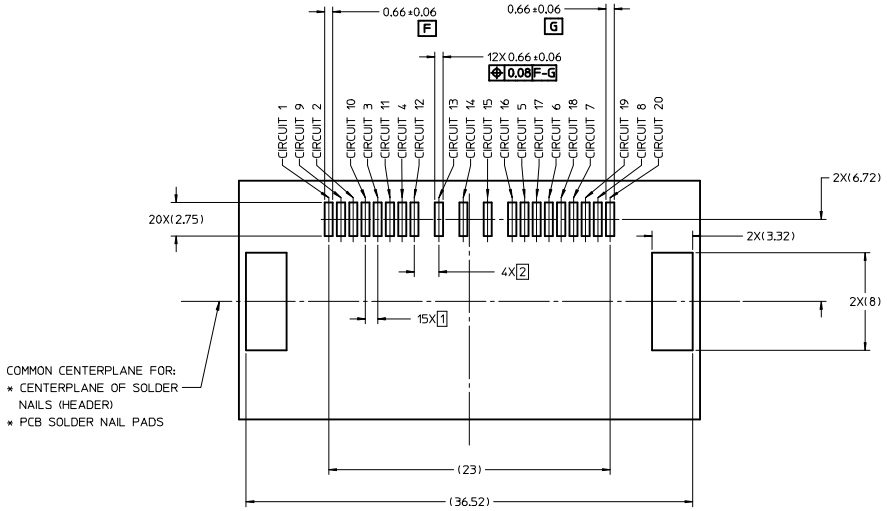
TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
molex
DOCUMENT NO.: SD-34897-001
SHEET NO.: 3 OF 5
SIZE: D

RECOMMENDED PCB LAYOUT:

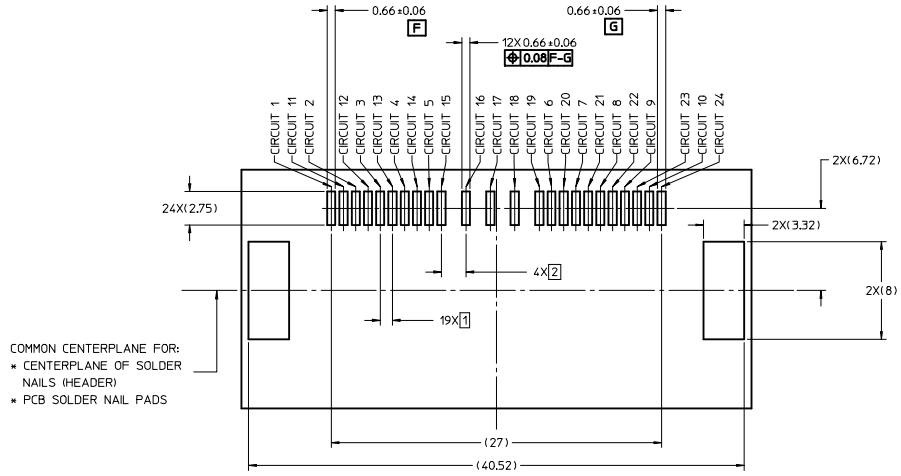
16 CKT PCB LAYOUT



20 CKT PCB LAYOUT



24 CKT PCB LAYOUT



GOLD PLATING
EC NO: UAU2017-0254 2016/09/21
DRWN:KHEWITT 2016/09/26
CHKD:
APPR:RBAUMAN
DESCRIPTION
REV W

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 ± 1 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: TMACHUGA DATE: 2011/11/23
CHECKED BY: DATE:
APPROVED BY: SMARCEAU DATE: 2011/12/19
MATERIAL NO.: SEE CHART

TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
molex
DOCUMENT NO.: SD-34897-001
SHEET NO.: 4 OF 5
SIZE: D

MINI50 SMT DUAL ROW HEADER ASSEMBLIES

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
34897-5120	34897-6120	USCAR	12	A	BLACK	GOLD	34824-0124	34824-1124
34897-5121	34897-6121	USCAR	12	B	GRAY	GOLD	34824-0125	34824-1125
34897-5122	34897-6122	USCAR	12	C	DARK GRAY	GOLD	34824-0126	34824-1126
34897-5160	34897-6160	USCAR	16	A	BLACK	GOLD	34824-0160	34824-1160
34897-5161	34897-6161	USCAR	16	B	GRAY	GOLD	34824-0161	34824-1161
34897-5162	34897-6162	USCAR	16	C	DARK GRAY	GOLD	34824-0162	34824-1162
34897-5200	34897-6200	USCAR	20	A	BLACK	GOLD	34824-0200	34824-1200
34897-5201	34897-6201	USCAR	20	B	GRAY	GOLD	34824-0201	34824-1201
34897-5202	34897-6202	USCAR	20	C	DARK GRAY	GOLD	34824-0202	34824-1202
34897-5240	34897-6240	USCAR	24	A	BLACK	GOLD	34824-0240	34824-1240
34897-5241	34897-6241	USCAR	24	B	GRAY	GOLD	34824-0241	34824-1241
34897-5242	34897-6242	USCAR	24	C	DARK GRAY	GOLD	34824-0242	34824-1242

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
34897-9120	34897-8120	USCAR	12	A	BLACK	TIN OVER NICKEL	34824-0124	34824-1124
34897-9121	34897-8121	USCAR	12	B	GRAY	TIN OVER NICKEL	34824-0125	34824-1125
34897-9122	34897-8122	USCAR	12	C	DARK GRAY	TIN OVER NICKEL	34824-0126	34824-1126
34897-9160	34897-8160	USCAR	16	A	BLACK	TIN OVER NICKEL	34824-0160	34824-1160
34897-9161	34897-8161	USCAR	16	B	GRAY	TIN OVER NICKEL	34824-0161	34824-1161
34897-9162	34897-8162	USCAR	16	C	DARK GRAY	TIN OVER NICKEL	34824-0162	34824-1162
34897-9200	34897-8200	USCAR	20	A	BLACK	TIN OVER NICKEL	34824-0200	34824-1200
34897-9201	34897-8201	USCAR	20	B	GRAY	TIN OVER NICKEL	34824-0201	34824-1201
34897-9202	34897-8202	USCAR	20	C	DARK GRAY	TIN OVER NICKEL	34824-0202	34824-1202
34897-9240	34897-8240	USCAR	24	A	BLACK	TIN OVER NICKEL	34824-0240	34824-1240
34897-9241	34897-8241	USCAR	24	B	GRAY	TIN OVER NICKEL	34824-0241	34824-1241
34897-9242	34897-8242	USCAR	24	C	DARK GRAY	TIN OVER NICKEL	34824-0242	34824-1242

GOLD PLATING
EC NO: UAU2017-0254 2016/09/21
DRWN:KHEWITT 2016/09/26
CHKD:
APPR:RBAUMAN
DESCRIPTION
REV W

QUALITY SYMBOLS
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=0
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GENERAL TOLERANCES (UNLESS SPECIFIED)

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2 PLACES	± 0.10	± ---
1 PLACE	± 0.20	± ---
0 PLACE	±	±

ANGULAR ± 1 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: TMACHUGA DATE: 2011/11/23
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TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
molex
DOCUMENT NO.: SD-34897-001
SHEET NO.: 5 OF 5
SIZE: D