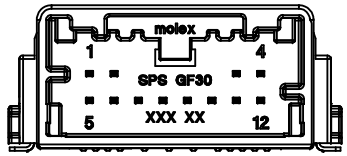
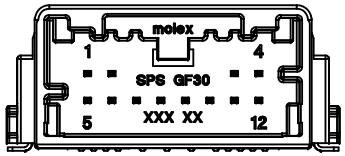
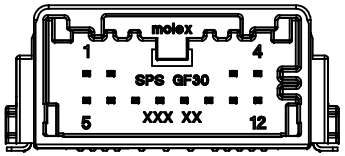


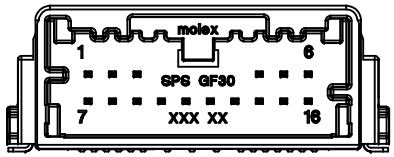
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION A



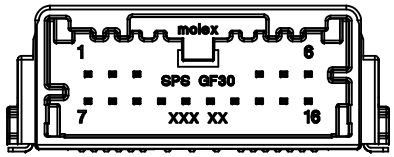
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION B



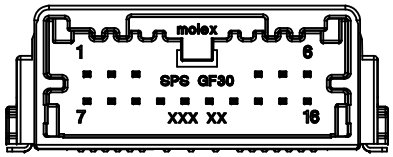
12 CIRCUIT SMT USCAR HEADER
POLARIZATION OPTION C



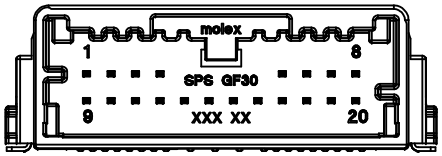
16 CIRCUIT SMT HEADER
POLARIZATION OPTION A



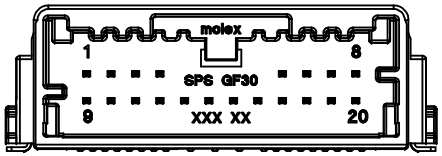
16 CIRCUIT SMT HEADER
POLARIZATION OPTION B



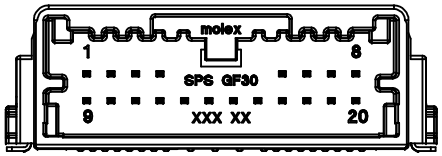
16 CIRCUIT SMT HEADER
POLARIZATION OPTION C



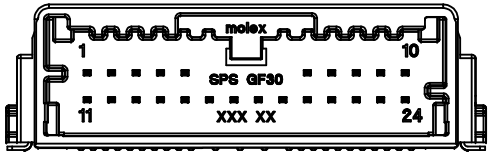
20 CIRCUIT SMT HEADER
POLARIZATION OPTION A



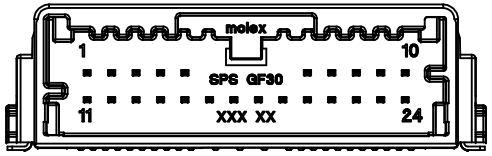
20 CIRCUIT SMT HEADER
POLARIZATION OPTION B



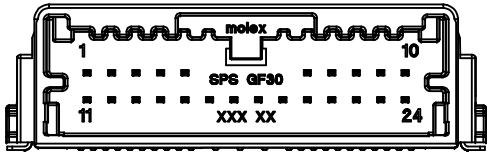
20 CIRCUIT SMT HEADER
POLARIZATION OPTION C



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

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:

UPDATED POL C 2015/02/26
EC NO: UAU2015-1293 2015/02/27
DRWN:TMACHUGA
CH'KD:
APPR:RBAUMAN
DESCRIPTION
REV: P

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 °		

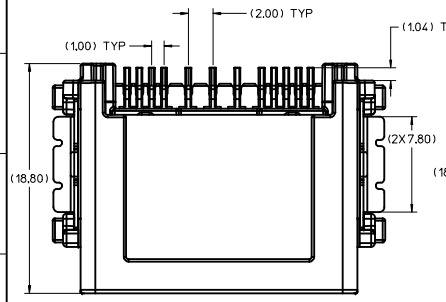
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

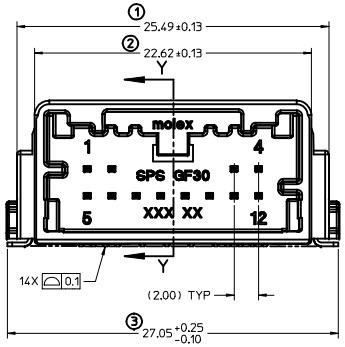
DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

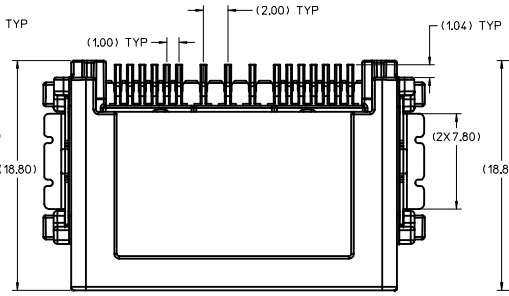
TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-34897-001
SHEET NO.: 1 OF 5
SIZE: D

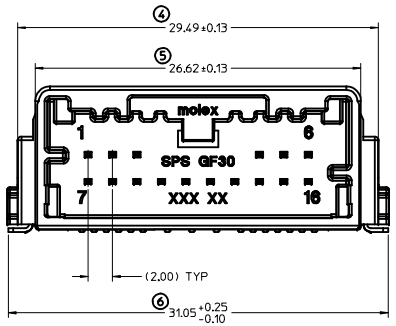
12 CKT SMT USCAR HEADER



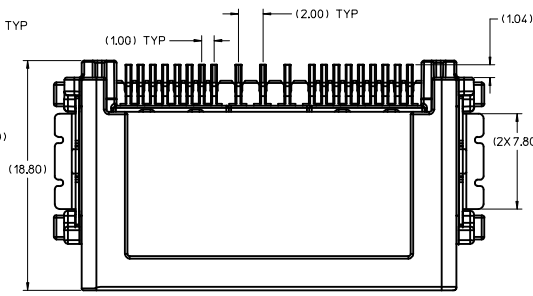


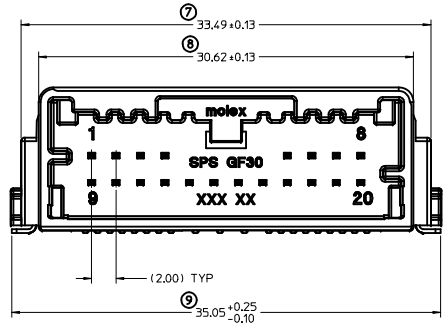
16 CKT SMT HEADER



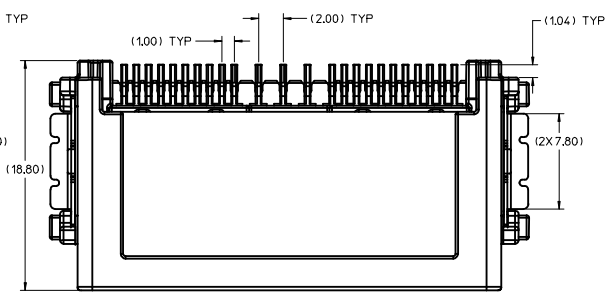


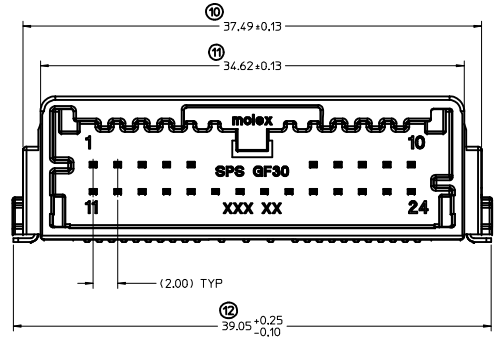
20 CKT SMT HEADER



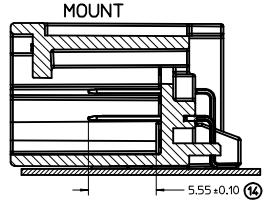


24 CKT SMT HEADER





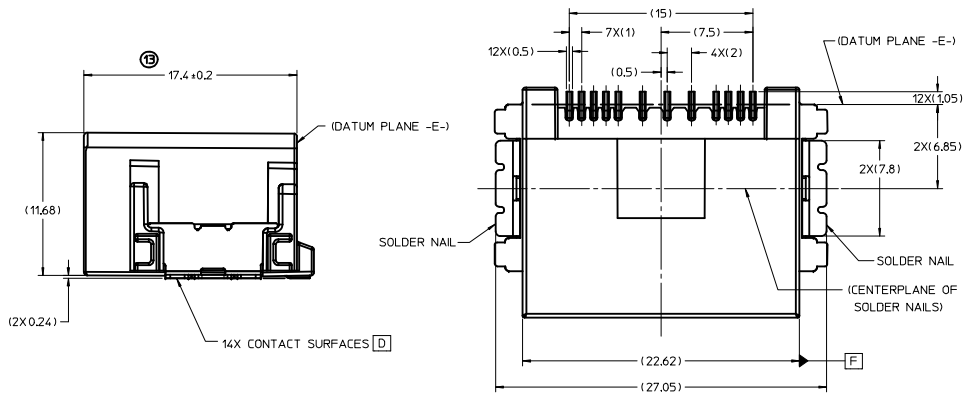
HEADER TO PCB MOUNT



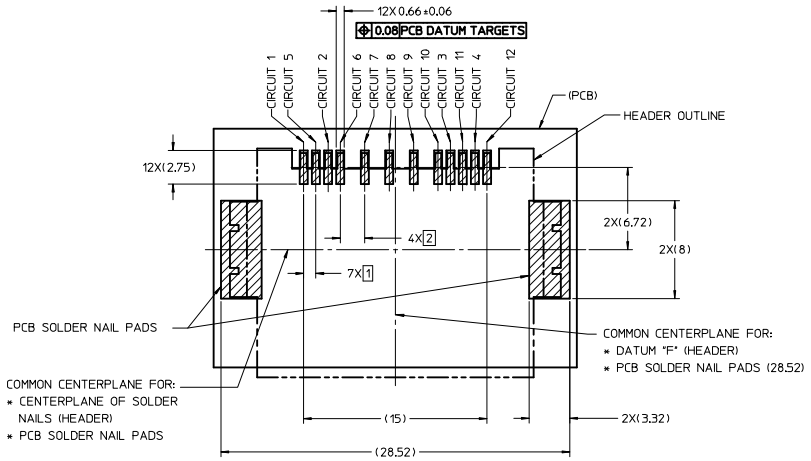
SECTION Y-Y

DARK GRAY POL C EC NO: UAU2015-1293 DRWN:TMACHUGA 2015/02/26 CH'KD: 2015/02/27 APPR:RBAUMAN DESCRIPTION P REV	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 DRAWN BY: TMACHUGA DATE: 2011/11/23 CHECKED BY: DATE: APPROVED BY: SMARCEAU DATE: 2011/12/19 MATERIAL NO.: SEE CHART SIZE: D	SCALE: 5:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING MOLEX INCORPORATED DOCUMENT NO.: SD-34897-001 SHEET NO.: 2 OF 5 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

RECOMMENDED PCB LAYOUT:



12 CKT SMT USCAR HEADER (BOTTOM VIEW)

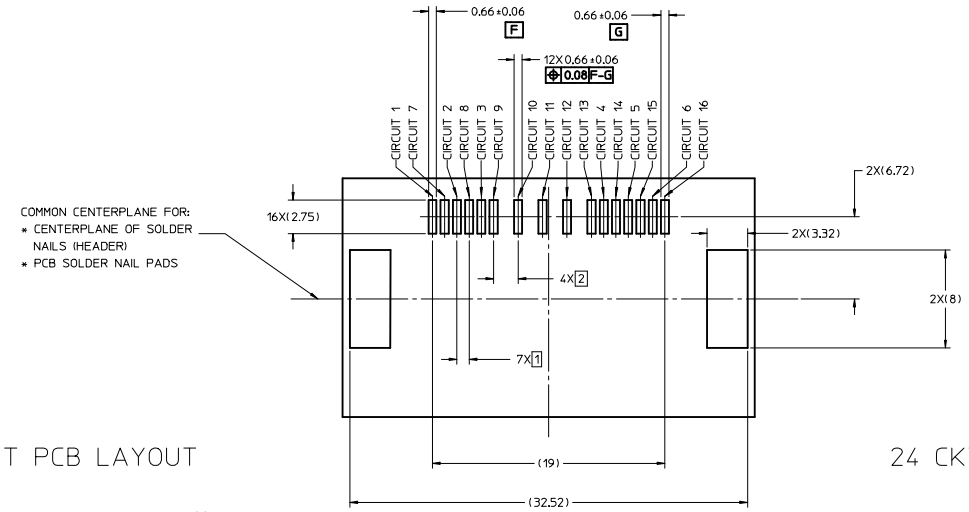


12 CKT PCB LAYOUT
(OTHER CIRCUIT SIZES ARE SIMILAR)

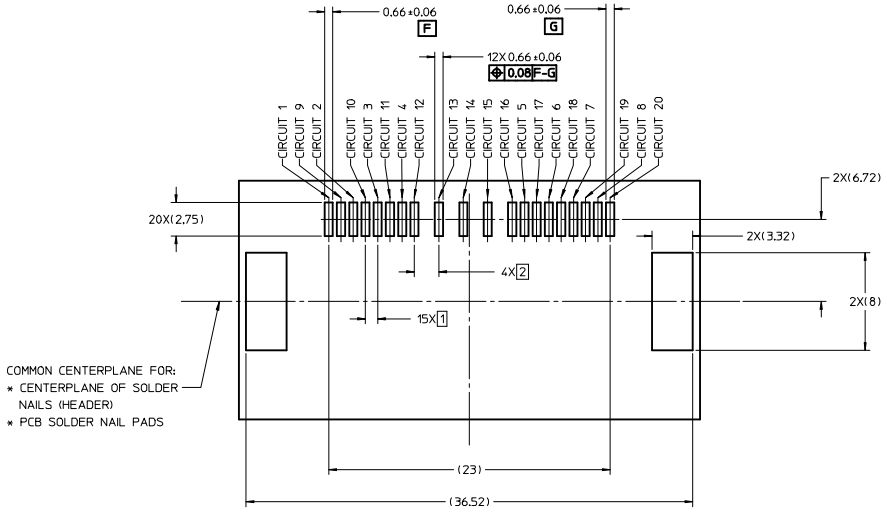
DARK GRAY POL C EC NO: UAU2015-1293 2015/02/26 DRWN:TMACHUGA 2015/02/27 CH'KD: APPR:RBAUMAN DESCRIPTION P REV	QUALITY SYMBOLS =0 =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.10 / ± --- 1 PLACE ± 0.20 / ± --- 0 PLACE ± / ± ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: TMACHUGA DATE: 2011/11/23 CHECKED BY: DATE: APPROVED BY: SMARCEAU DATE: 2011/12/19 MATERIAL NO.: SEE CHART SIZE: D	SCALE: 10:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING molex DOCUMENT NO.: SD-34897-001 SHEET NO.: 3 OF 5 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

RECOMMENDED PCB LAYOUT:

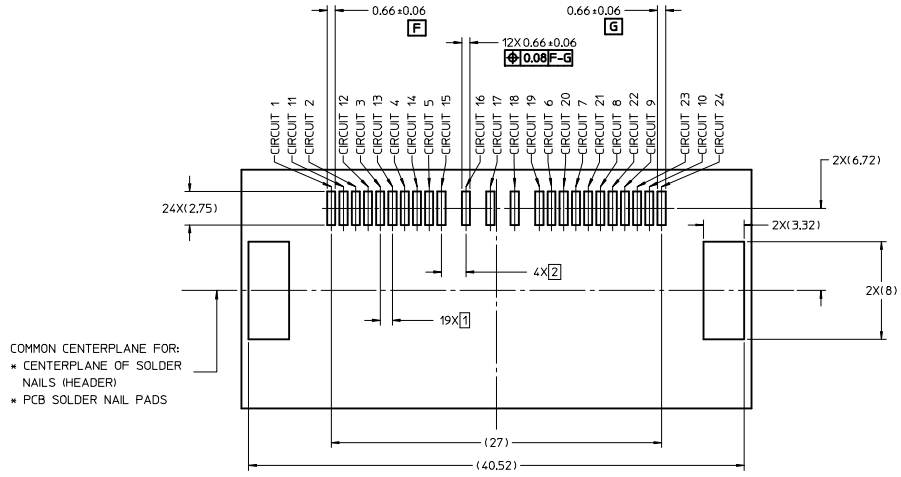
16 CKT PCB LAYOUT



20 CKT PCB LAYOUT



24 CKT PCB LAYOUT



DARK GRAY POL C
EC NO: UAU2015-1293 2015/02/26
DRWN: TMACHUGA 2015/02/27
CHKD:
APPR: RBAUMAN
DESCRIPTION
REV: P

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
34897-9120	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	MOLEX	16	A	BLACK	TIN OVER NICKEL	34824-0160	34824-1160
34897-9161	34897-8161	MOLEX	16	B	GRAY	TIN OVER NICKEL	34824-0161	34824-1161
34897-9162	34897-8162	MOLEX	16	C	DARK GRAY	TIN OVER NICKEL	34824-0162	34824-1162
34897-9200	34897-8200	MOLEX	20	A	BLACK	TIN OVER NICKEL	34824-0200	34824-1200
34897-9201	34897-8201	MOLEX	20	B	GRAY	TIN OVER NICKEL	34824-0201	34824-1201
34897-9202	34897-8202	MOLEX	20	C	DARK GRAY	TIN OVER NICKEL	34824-0202	34824-1202
34897-9240	34897-8240	MOLEX	24	A	BLACK	TIN OVER NICKEL	34824-0240	34824-1240
34897-9241	34897-8241	MOLEX	24	B	GRAY	TIN OVER NICKEL	34824-0241	34824-1241
34897-9242	34897-8242	MOLEX	24	C	DARK GRAY	TIN OVER NICKEL	34824-0242	34824-1242

DARK GRAY POL C
EC NO: UAU2015-1293 2015/02/26
DRWN:TMACHUGA 2015/02/27
CH'KD:
APPR:RBAUMAN
DESCRIPTION
REV P

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
SIZE: D

TITLE: MINI 50 DUAL ROW SMT HEADER ASSEMBLY SALES DRAWING

molex

DOCUMENT NO.: SD-34897-001
SHEET NO.: 5 OF 5