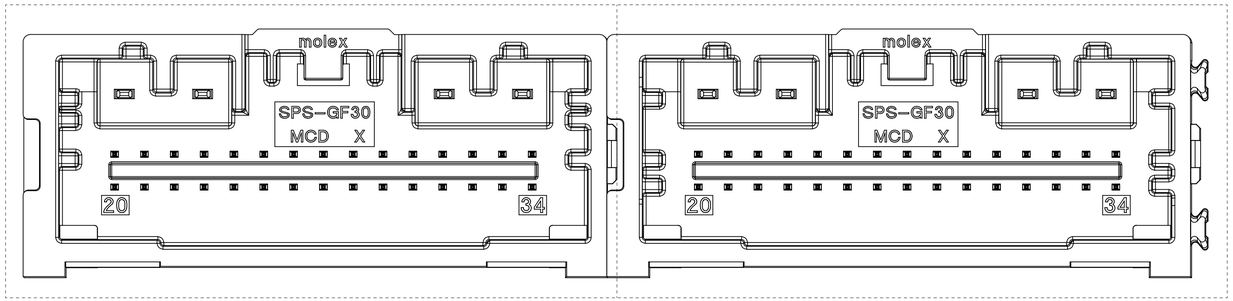
| TABLE OF CONTENTS | |
|---|---|
| SHEET NO. | SHEET DESCRIPTION |
| 1 | NOTES, INSPECTION BALLOON NUMBER LOG, NOMINAL DIMENSION RANGE LIST, REV.COLUMN, 2-BAY MINI50 RIGHT ANGLE HEADER ASSEMBLY CHART FOR MULTIBAY CONFIGURATION |
| 2 | DETAIL DIMENSION VIEW REFERENCE PCB LAYOUT |

2-BAY MINI50 VERTICAL HEADER ASSEMBLY
(P/N 34960-1200 SHOWN)

BAY 'A' BAY 'B'




NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
   a. PRODUCT SPECIFICATION: PS-34959-001
   b. APPLICATION SPECIFICATION: AS-34959-001
   c. PACKAGING SPECIFICATION PER MOLEX DRAWING PK-31302-070 (TRAY)
   d. PACKAGING SPECIFICATION PER MOLEX DRAWING PK-31301-688 (TUBE)
   (B4) e. PACKAGING SPECIFICATION PER MOLEX DRAWING (SMALL TRAY PACK):349602200-PK
   f. COSMETIC SPECIFICATION: PS-45499-002 Class B
   g. GEOMETRIC TOLERANCING: SEE DIN 16901 TABLE
   h. MATES WITH: SD-34959-030

2. DESIGN: MATERIALS:
   a. SHROUD (PLASTIC HOUSING): RESIN - SPS
   b. PIN ALIGNMENT PLATE:
      i. RESIN - SPS
      ii. COLOR - BLACK
   c. 0.50mm BLADES:
      i. BASE MATERIAL: BRASS
      ii. PLATING TYPE: AS NOTED
   d. 1.20mm BLADES:
      i. BASE MATERIAL: BRASS
      ii. PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:
   a. UNDERPLATING - OVERALL NICKEL
   b. OVERPLATING - OVERALL REFLOW TIN

4. FOR DESCRIPTION OF INDIVIDUAL BAYS, REFER TO THE FOLLOWING SINGLE BAY DRAWINGS, REFER TO SD-34958-300

CHART FOR MULTIBAY CONFIGURATION

| 2 BAY PART NUMBER (TUBE PKG) | (B4) 2 BAY PART NUMBER (SMALL TRAY PKG) | 2 BAY PART NUMBER (STANDARD TRAY PKG) | BAY A | | | | | BAY B | | | | | STATUS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P/N | INTERFACE TYPE | POL | COLOR | QT'Y OF PINS | P/N | INTERFACE TYPE | POL | COLOR | QT'Y OF PINS | |
| TBD | 34960-2200 | 34960-1200 | 34958-0340 | 34CKT | A | BLACK | 34 | 34958-0341 | 34CKT | B | GREY | 34 | SALEABLE |
| TBD | TBD | 34960-1210 | 34958-0380 | 38CKT | A | BLACK | 38 | 34958-0381 | 38CKT | B | GREY | 38 | OBSOLETED |
| TBD | TBD | 34960-1220 | 34958-0340 | 34CKT | A | BLACK | 34 | 34958-0381 | 38CKT | B | GREY | 38 | OBSOLETED |
| TBD | 34960-2211 | 34960-1211 | 34958-0383 | 38CKT | UPDATED A | BLACK | 38 | 34958-0384 | 38CKT | UPDATED B | GREY | 38 | SALEABLE |
| TBD | 34960-2221 | 34960-1221 | 34958-0340 | 34CKT | A | GREY | 34 | 34958-0384 | 38CKT | UPDATED B | GREY | 38 | SALEABLE |

| 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 | 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 |
| ENGINEERING | 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) | | | | | | | | | | | | | | | |

| INSPECTION BALLOON NUMBER LOG |
|---|
| PER DRAWING REVISION: B4 |
| LAST BALLOON NUMBER USED: 8 |
| ADDED BALLOON NUMBERS: |
| REMOVED BALLOON NUMBERS: |

| REV | REV DESCRIPTION | ECN SAP NO. |
|---|---|---|
| B4 | SHEET 1: ADDED NEW HEADER PART NUMBER OF SMALL TRAY PACKAGING | CO-000010032 |
| B3 | TRANDFER FROM ECTR CAUSED FREEZE | N/A |
| B2 | 1. SHEET 1: UPDATED NOTE INFORMATION<br>2. SHEET 2: ADDED DIM 3A | 668374 |
| B1 | OBSOLETE PART NUMBERS 349601210 349601220 | 648358 |
| B | ADDED NEW P/N: 34960-1211 \ 34960-1221 IN THE BOM ON SHEET 1.<br>ADDED PRODUCT STATUS IN THE BOM ON SHEET 1. | 612184 |

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FE = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: MM
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5°
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD PART NUMBER FOR SMALL TRAY PKG

STATUS: Production
DRWN: Gang Li 2024-02-22
CHK'D: Ringo Hu 2024-03-27
APPR: Colin Zhang 2024-03-28

THIRD ANGLE PROJECTION
DRAWING: D-SIZE
SERIES: 34960

molex

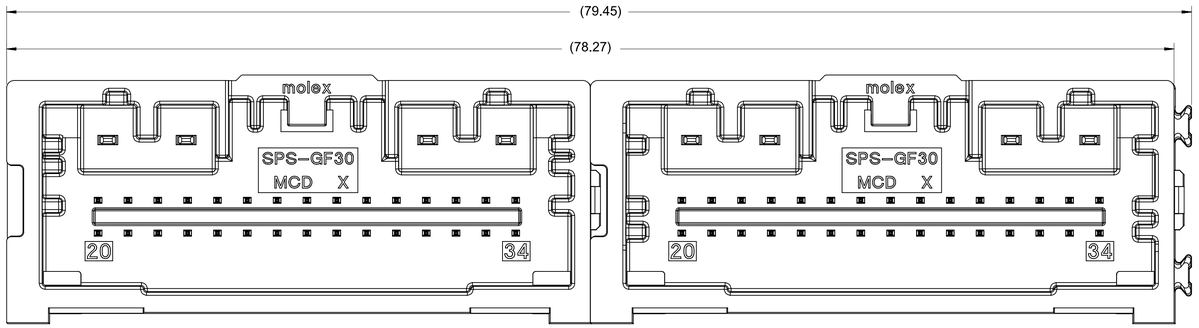
34 & 38 CKT MINI50 2-BAY
VERTICAL HEADER ASSEMBLY SALES DRAWING

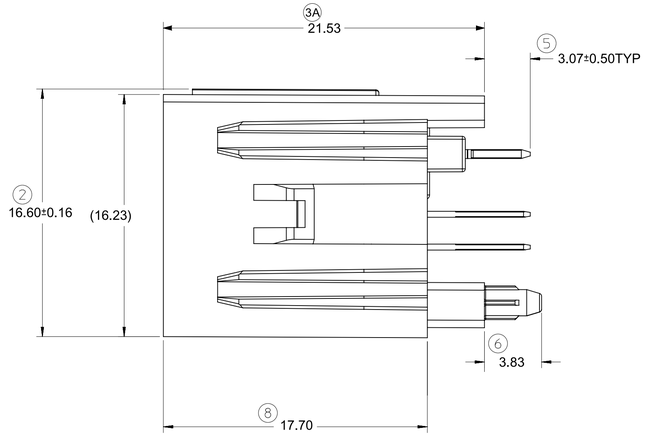
PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-34960-1200 | PSD | 001 | B4 |

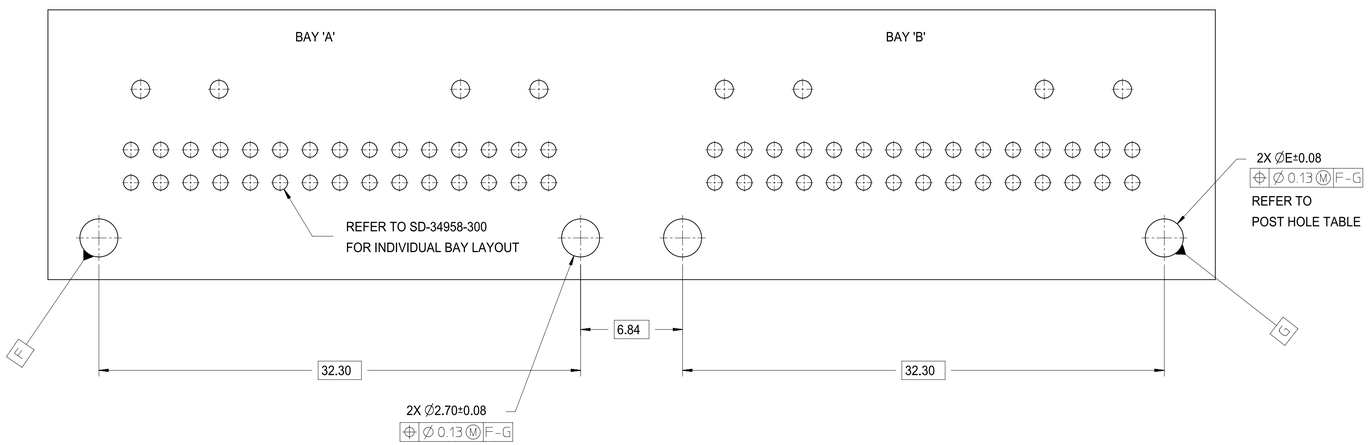
MATERIAL NUMBER
CUSTOMER: GENERAL MARKET
SHEET NUMBER: 1 OF 2

| TABLE OF CONTENTS | |
|---|---|
| SHEET NO. | SHEET DESCRIPTION |
| 2 | DETAIL DIMENSION VIEW<br>REFERENCE PCB LAYOUT |




RECOMMENDED PCB LAYOUT




POST HOLE TABLE:

| FOR DIM E: | |
|---|---|
| PRESS FIT: | 2.35 |
| DROP IN: | 2.70 |

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| MM | 1:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 0.5° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | |
| 1 PLACE | ± | |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD PART NUMBER FOR SMALL TRAY PKG

STATUS: Production
DRWN: Gang Li 2024-02-22
CHK'D: Ringo Hu 2024-03-27
APPR: Colin Zhang 2024-03-28

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34960

molex

34 & 38 CKT MINI50 2-BAY
VERTICAL HEADER ASSEMBLY SALES DRAWING

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-34960-1200 | PSD | 001 | B4 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 2 OF 2 |

FORMAT TS-A4-prod-01
REVISION: B
DATE: 2020-06-01