

3M™ BOX HEADER, 957 SERIES
2MM X 2MM, STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



DUAL ROW
STRAIGHT
VERSION



DUAL ROW
RIGHT ANGLE
VERSION



DUAL ROW
SURFACE MOUNT
VERSION

2 PHYSICAL :

INSULATOR :
MATERIAL : HIGH TEMP THERMOPLASTIC
FLAMMABILITY : UL94V-0
COLOR : BLACK
CONTACT :
MATERIAL : COPPER ALLOY
PLATING :
UNDER PLATING : 50-100 μ " [1.27-2.54 μ m] NICKEL-OVERALL
WIPING AREA : GOLD FLASH
SOLDER TAILS : 40-118 μ " [1-3 μ m] MATTE TIN

2 ELECTRICAL :

CURRENT RATING : 2A
CONTACT RESISTANCE : \leq 20 m Ω
INSULATION RESISTANCE : \geq 1000 M Ω
WITHSTANDING VOLTAGE : 500 Vr.m.s, 1mA, 60s

2 MECHANICAL :

RETENTION FORCE : \geq 4.5N PER PIN

2 ENVIRONMENTAL :

TEMPERATURE RATING : -40°C TO 125°C Δ
HUMIDITY : \leq 93% AT 40°C
RESISTANCE TO SOLDERING HEAT : 260°C \pm 5°C, 10s

- NOTES
1. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
 2. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 3. N = THE NUMBER OF POSITIONS.

3M™ ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3m.com/interconnect>

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| MM [INCH] | | |
|-------------------------------|-----------|------------|
| TOLERANCE - UNLESS NOTED | | |
| | X. | .XX |
| MM | \pm .5 | \pm .20 |
| [INCH] | \pm .02 | \pm .008 |
| [] = DIM. FOR REFERENCE ONLY | | |

DIMENSIONS: INCH [MM]
[MM] FOR REF. ONLY

| | | | | | | |
|----------------------|---------------|---------------------------------|------|---|--------------|----------|
| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| CODES | | | | CASTIGLIONE | MAY 14, 2015 | MFG DATE |
| DIVISION | DIVISION CODE | CHKD | DATE | APPRV | DATE | DATE |
| | EMSD | | | T. SUNIGA | MAY 14, 2015 | |
| DO NOT SCALE DRAWING | SCALE 4/1 | TOLERANCES EXCEPT AS NOTED | | | | |
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| | | THIRD ANGLE PROJECTION | | TITLE | | |
| | | INTERPRET PER ASME Y14.5 - 2009 | | BOX HEADER, 2MM, STRAIGHT, RIGHT ANGLE AND SMT | | |
| | | MAX SURFACE ROUGHNESS | | CAGE NUMBER | | |
| | | DIT SURFACES | | D 78-5100-2656-6 | | |
| | | MARKED ONLY | | MODEL | | |
| | | | | 9572 | | |
| | | | | REV. C | | |
| | | | | SHT 1 OF 4 | | |

78-5100-2656-6 DRAWING NUMBER
C REVISION
B
A
Image: C.1 Central Standard Time4/5/2018UTC OffSet

3M™ BOX HEADER, 957 SERIES
 2MM X 2MM, STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
 (VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION
 (STRAIGHT & RIGHT ANGLE ONLY)

9572XX-X002-AR

CONTACT QTY:
 06-64

MOUNTING STYLE:
 5 = RIGHT ANGLE
 6 = STRAIGHT

| TABLE 1 mm | |
|------------|-------------------|
| DIM. "A" | 2.00 X (N/2+7.40) |
| DIM. "B" | 2.00 X (N/2-1) |
| DIM. "C" | 2.00 X (N/2+6) |
| SEE NOTE 3 | |

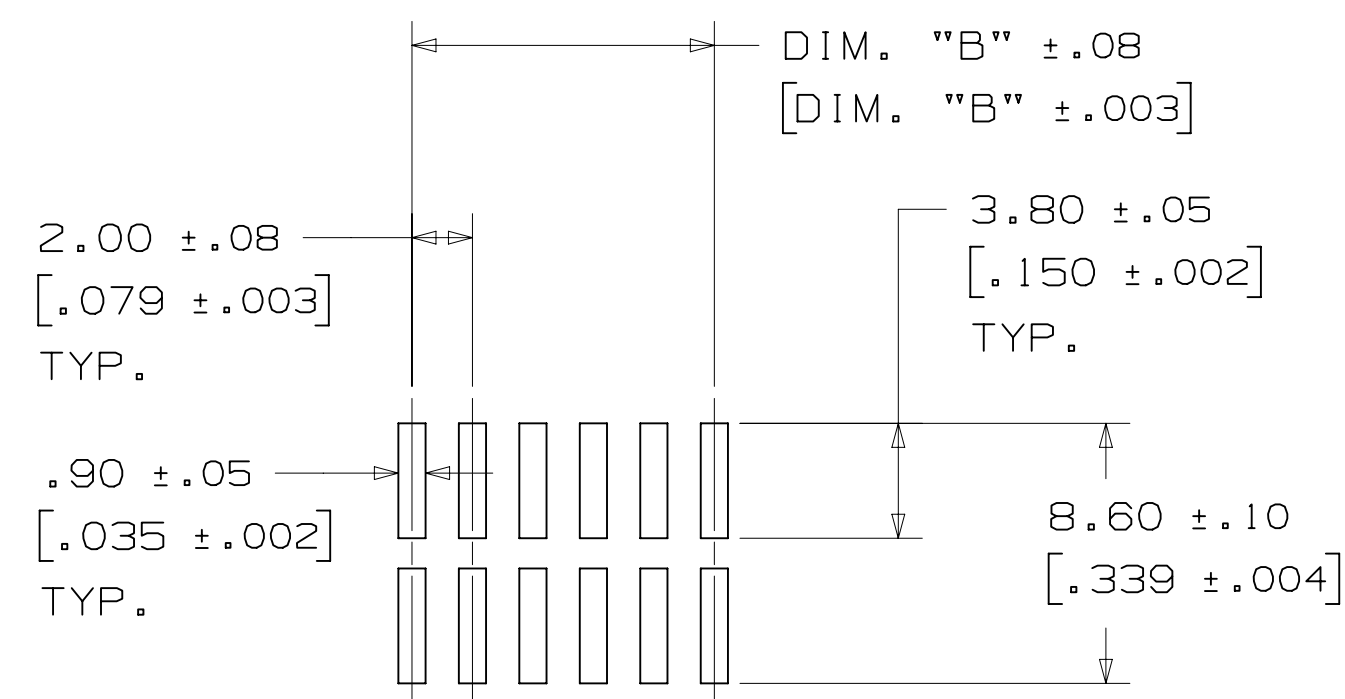
| REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
|-----|-------|--|------|------|
| C | 78557 | APR 05, 2018 UPDATE TABLE 1 TO REMOVE [IN] VALUES | SBO | FR |
| B | 74628 | JUL 06, 2017 WAS: -40C TO 105C | LDS | SC |
| A | 72044 | FEB 02, 2017 PRODUCTION RELEASE | JNC | TS |

| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
|------------------|---------------|-------|-------------|----------------------------|------|------|
| | | CHKD | CASTIGLIONE | MAY 14, 2015 | DATE | DATE |
| | | APPRV | T. SUNIGA | MAY 14, 2015 | DATE | DATE |

| | | |
|---|------|---|
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| TITLE BOX HEADER, 2MM, STRAIGHT, RIGHT ANGLE AND SMT | | |
| CAGE NUMBER | SIZE | DRAWING NO. |
| D | | 78-5100-2656-6 |
| MODEL | 9572 | REV. C |

78-5100-2656-6
 DRAWING NUMBER
 C
 REVISION
 C
 TIME: 4/5/2018 UTC Off/ser
 C
 CENTRAL Standard Time

3M™ BOX HEADER, 957 SERIES
 2MM X 2MM, STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
 (VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION
 (SURFACE MOUNT ONLY)

9572XX-20X0-AR-XX

CONTACT QTY:
 06-64

PACKAGING:
 TP = TUBE WITHOUT PAD
 PT = TUBE WITH PAD
 PR = TAPE & REEL WITH PAD
 SEE TABLE 2

LOCATING POST:
 0 = NONE

| TABLE 2 TAPE & REEL OPTIONS | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|
| CONTACT QTY. | 10-12 | 14-24 | 26-34 | 40-50 | 60-68 |
| TAPE WIDTH [MM] | 32 | 44 | 56 | 72 | 88 |

| TABLE 1 mm | |
|------------|-------------------|
| DIM. "A" | 2.00 X (N/2+7.40) |
| DIM. "B" | 2.00 X (N/2-1) |
| DIM. "C" | 2.00 X (N/2+6) |
| SEE NOTE 3 | |

| | | | | | | |
|------------------------|---------------------------------|----------------------------|--------------|---|--------------|------|
| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | CASTIGLIONE | MAY 14, 2015 | MFG | | |
| DIVISION | DIVISION CODE | CHKD | DATE | APPRV | DATE | |
| | EMSD | | | T. SUNIGA | MAY 14, 2015 | |
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| MAX SURFACE ROUGHNESS | INTERPRET PER ASME Y14.5 - 2009 | MILLIMETERS | | TITLE | | |
| 0.00 ± | | 0 | | BOX HEADER, 2MM, STRAIGHT, RIGHT ANGLE AND SMT | | |
| 0.00 ± | | 0 | | CAGE NUMBER | | |
| 0.00 ± | | 0 | | D 78-5100-2656-6 | | |
| 0.00 ± | | 0 | | MODEL | | |
| 0.00 ± | | 0 | | 9572 | | |
| 0.00 ± | | 0 | | REV. | | |
| 0.00 ± | | 0 | | C | | |
| 0.00 ± | | 0 | | SHT 3 OF 4 | | |

78-5100-2656-6 DRAWING NUMBER
 C REVISION
 B
 A
 Standard Time4/5/2018UTC Off/ser

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| | | | | | | |
|------------------------|---------------------------------|---|-------------|---|--------------|----------|
| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | | | | | |
| DRW CODES | | DRW | CASTIGLIONE | DATE | MAY 14, 2015 | MFG DATE |
| | | CHKD | | DATE | | |
| DIVISION | DIVISION CODE | APPRV | T. SUNIGA | DATE | MAY 14, 2015 | |
| | EMSD | | | | | |
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| THIRD ANGLE PROJECTION | INTERPRET PER ASME Y14.5 - 2009 | INCHES .01 ± .005 ± .000 ± .000 ± | | TITLE BOX HEADER, 2MM, STRAIGHT, RIGHT ANGLE AND SMT | | |
| MAX SURFACE ROUGHNESS | MARKED ONLY | MILLIMETERS 0 ± .01 ± .005 ± .000 ± | | CAGE NUMBER D78-5100-2656-6 | | |
| | | ANGLES 0 ± .00 ± .000 ± | | DRAWING NO. 78-5100-2656-6 | | |
| | | MODEL 9572 | | REV. C | | |
| | | DET. [] YES [X] NO | | SHT 4 OF 4 | | |

78-5100-2656-6 DRAWING NUMBER
 C REVISION
 B
 A
 Standard Time 4/5/2018 UTC Off/ret