

PRODUCT NUMBER

SEE TABLE

68402-XXX-LF

LEAD FREE OPTION

PACKAGING OPTION NOTE 6. OMIT IF NOT REQUIRED

NO OF POSITIONS PER ROW

PLATING CODE

BASE PART NUMBER

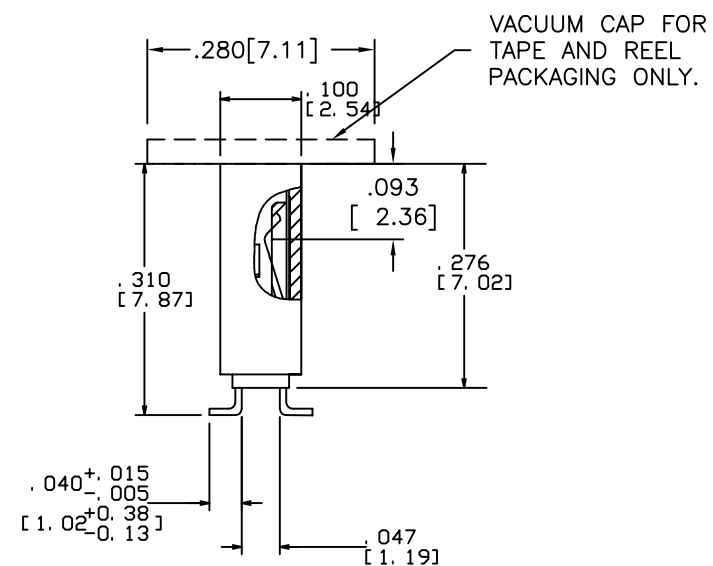
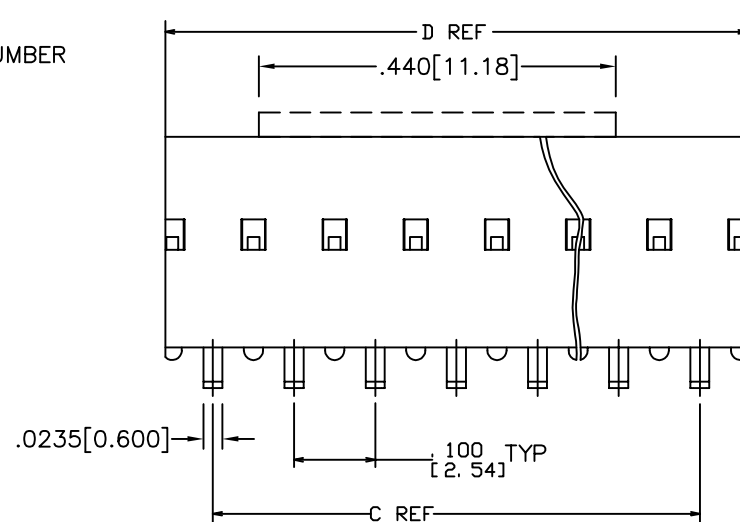
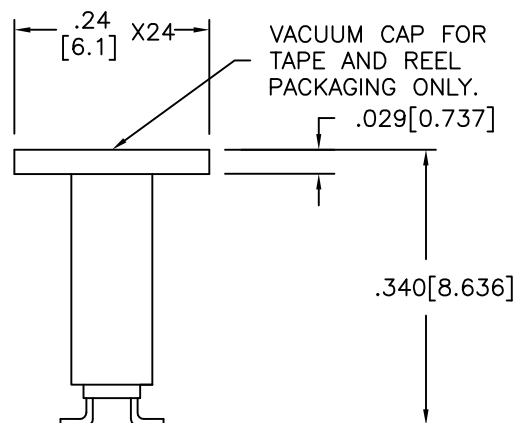
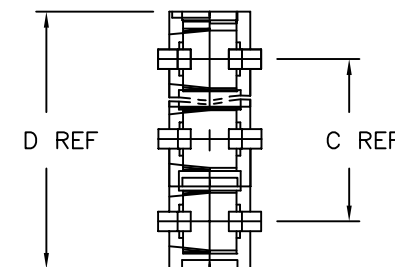
VACUUM CAP FOR
TAPE AND REEL
PACKAGING ONLY.VACUUM CAP FOR
TAPE AND REEL
PACKAGING ONLY.

FIGURE 1
SMALL CAP FOR LESS THAN 6 POSITION

| | | | | | | | |
|-------------|-------------|-------|----------|---------------------------------------|----------------------------------|-----------------------|--------------------------|
| mat'l. code | | | | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection INCH/MM | product family DUBOX |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | scale 5:1 | title |
| V | ELX-N-17326 | ZK | 03/28/14 | angles | linear | | DUBOX SURFACE MOUNT S/R |
| W | ELX-N-18093 | Henry | 06/26/14 | 0°±2° | linear | | VERTICAL CARD CONNECTOR |
| R | V03-0309 | HTB | 04/28/03 | dr | J. SHEREINER | 11/07/90 | dwg no |
| S | V05-0463 | DPU | 06/28/05 | enr | M. HAHN | 11/07/90 | sheet. 1 of 5 |
| T | M07-0114 | AGS | 02/15/07 | chr | M. HAHN | 11/07/90 | size |
| U | M07-0198 | MHT | 4/24/07 | appd | M. HAHN | 11/07/90 | A3 |
| sheet | revision | W | W | W | W | | type |
| index | sheet | 1 | 2 | 3 | 4 | 5 | Product Customer Drawing |

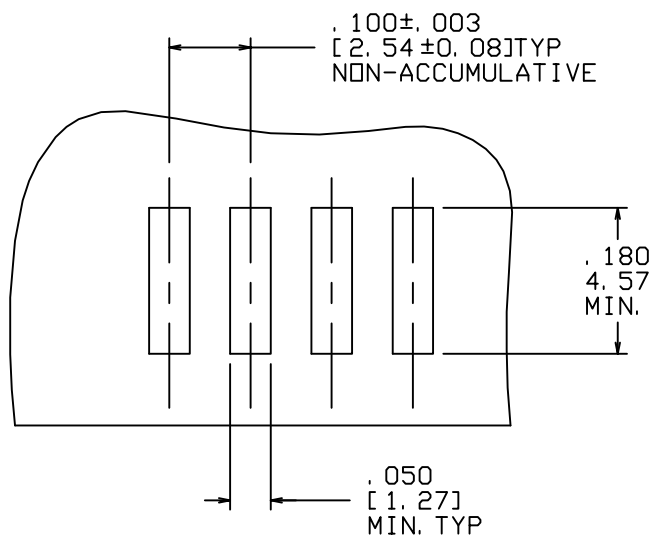


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

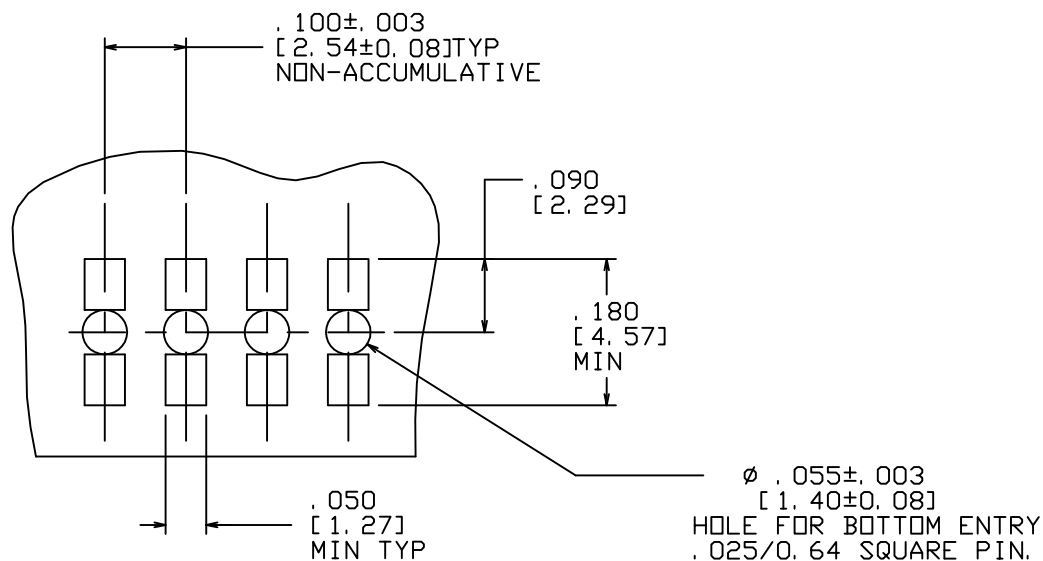



FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

| | | | | | | | | | |
|-------------|----------|-------|------|---------------------------------------|----------------------------------|-----------------------|---|--|--|
| mat'l. code | | | | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection INCH/MM | product family DUBOX | | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | title DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR | | |
| W | | | | angles | linear | | | | |
| | | | | 0°±2° | | | | | |
| | | | | dr | J. SHEREINER 11/07/90 | | | | |
| | | | | enr | M. HAHN 11/07/90 | | dwg no 68402 | | |
| | | | | chr | M. HAHN 11/07/90 | | | | |
| | | | | appd | M. HAHN 11/07/90 | | | | |
| sheet index | revision | sheet | | | | | type Product Customer Drawing | | |

| PRODUCT NO NOTE 14 | PLATING CONTACT AREA NOTE 16 | PLATING SOLDER TAIL | MATERIAL REF. |
|-----------------------|--|-------------------------------|------------------|
| 68402-2XX | 15u"/.38u Au OR GXT MIN OVER 50u"/1.27u NI MIN | 100μ"/160μ" SN 2.54μ/4.06μ | NOTE 3 & 4 |
| 68402-3XX | 30u"/.76u Au OR GXT MIN OVER 50u"/1.27u NI MIN | 100μ"/160μ" SN 2.54μ/4.06μ | NOTE 3 & 4 |
| 68402-4XX | 100u"/2.54u Sn MIN OVER 50u"/1.27u NI | 100μ"/160μ" SN 2.54μ/4.06μ | NOTE 3 & 4 |
| 68402-6XX | 30u"/.76u Au OR GXT MIN OVER 50u"/1.27u NI MIN | 100μ"/160μ" SN 2.54μ/4.06μ | NOTE 3 & 4 |
| 68402-8XX | 30u"/.76u Au MIN OVER 50u"/1.27u NI MIN | 100μ"/160μ" SN 2.54μ/4.06μ | NOTE 3 & 4 |

OBSOLETE

| | | | | | | | |
|----------------|-------------------|----|------|---------------------------------------|---|---|---|
| mat'l. code | | | | surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101 | projection  | product family DUBOX |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | INCH/MM scale 5:1 | title DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR |
| W | | | | angles | linear | | |
| | | | | 0°±2' | .XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051 | | |
| | | | | dr | J. SHEREINER | 11/07/90 | FCI dwg no 68402 type Product Customer Drawing |
| | | | | enr | M. HAHN | 11/07/90 | |
| | | | | chr | M. HAHN | 11/07/90 | |
| | | | | appd | M. HAHN | 11/07/90 | |
| sheet index | revision sheet | | | | | | sheet. 3 of 5 size A3 |

PRODUCT NUMBER

SEE TABLE

NOTES:

- ①. TERMINAL MATERIAL: PHOSPHOR BRONZE.
EXTRA HARD
2. RECOMMENDED APPLICATION DATA:
 - A. RECOMMENDED SOLDER PAD PATTERN IS SHOWN IN FIGURE A & B.
 - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACING. WITHIN .015/.38 DIA.
 - C. SUGGESTED MATING PIN LENGTH $.210 \pm .010$ [5.33±.51]
- ③. HOUSING MATERIAL: P.P.S., FILLED.
FLAME RETARDANT PER UL 94 V-0.
THIS PART WILL WITHSTAND EXPOSURES TO 260°C
PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER,
INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- ④. PRESTAMPED POST PLATED TERMINAL.
5. FCI, FCI PART NUMBER AND DATE CODE
TO BE MARKED ON TUBE LABEL.
- ⑥. ADD SUFFIX 'P' TO DASH NUMBER AS FOURTH DIGIT FOR
TAPE & REEL PACKAGING.
ADD SUFFIX 'W' TO DASH NUMBER AS WITHOUT CAP ASSEMBLY
FOR TAPE & REEL PACKAGING.
7. TAPE AND REEL PACKAGING PER GES-14-334.
- ⑧. VACUUM CAP MATERIAL: L.C.P., FLAME RETARDANT UL 94 V-0.
COLOR: BLACK
- ⑨. TAPE AND REEL PACKAGING FOR 24mm WIDE AND BELOW HAVE
PILOT HOLES ON ONE SIDE OF TAPE ONLY. SIZES ABOVE 24mm
HAVE PILOT HOLES ON BOTH SIDES OF TAPE.
- ⑩. TAPE & REEL PACKAGING 32mm TAPE WIDTH, WITH 12mm POCKET PITCH.
- ⑪. MAXIMUM LENGTH OF CONNECTOR FOR TAPE AND REEL PACKAGING IS
2.50 INCHES LONG /63.5mm
- ⑫. PART NUMBER WITH "U" SUFFIX IS FOR SAWING PURPOSES ONLY.
13. STANDARD TUBE PACKAGE PER BUS-14-097/3.
- ⑭. ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
15. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY
REGULATION AS DESCRIBED IN GS-22-008.
- ⑯. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

VACUUM PICK-UP CAP
CENTRALLY LOCATEDDUBOX VERTICAL RECEPTACLE
DOUBLE ROW.157[3.99]
NOTE 9

.069[1.75]

TAPE WIDTH
NOTE 10POCKET PITCH
NOTE 10FIGURE 2
TAPE & REEL PACKAGING

| | | | | | | | | |
|-------------|----------------|----|------|---------------------------------------|---|-----------------------|--|--------------------|
| mat'l. code | | | | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection INCH/MM | product family DUBOX | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | INCH/MM | title | |
| W | | | | angles | linear | | DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR | |
| | | | | 0°±2° | .XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051 | scale 5:1 | dwg no | sheet. 4 of 5 size |
| | | | | dr | J. SHEREINER 11/07/90 | FCI | 68402 A3 | |
| | | | | enr | M. HAHN 11/07/90 | | | |
| | | | | chr | M. HAHN 11/07/90 | | | |
| | | | | appd | M. HAHN 11/07/90 | | | |
| sheet index | revision sheet | | | | | | type Product Customer Drawing | |

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| PRODUCT NO. | NO. OF POSITIONS | C DIM | D DIM | TAPE & REEL PACKAGING | LF OPTIONS |
|---------------|------------------|--------------|--------------|-----------------------|------------------------------------|
| 68402-Y02 | 1 X 2 | .100/2.540 | .217/5.511 | NO | NOTE 14 |
| -Y03 | 1 X 3 | .200/5.080 | .317/8.051 | NO | |
| -Y04 | 1 X 4 | .300/7.620 | .417/10.591 | NO | |
| -Y05 | 1 X 5 | .400/10.160 | .517/13.131 | NO | |
| -Y06 | 1 X 6 | .500/12.700 | .617/15.671 | NO | |
| -Y07 | 1 X 7 | .600/15.240 | .717/18.211 | NO | |
| -Y08 | 1 X 8 | .700/17.780 | .817/20.751 | NO | |
| -Y09 | 1 X 9 | .800/20.320 | .917/23.291 | NO | |
| -Y10 | 1 X 10 | .900/22.860 | 1.017/25.831 | NO | |
| -Y11 | 1 X 11 | 1.000/25.400 | 1.117/28.371 | NO | |
| -Y12 | 1 X 12 | 1.100/27.940 | 1.217/30.911 | NO | |
| -Y13 | 1 X 13 | 1.200/30.480 | 1.317/33.451 | NO | |
| -Y14 | 1 X 14 | 1.300/33.020 | 1.417/35.991 | NO | |
| -Y15 | 1 X 15 | 1.400/35.560 | 1.517/38.531 | NO | |
| -Y16 | 1 X 16 | 1.500/38.100 | 1.617/41.071 | NO | |
| -Y17 | 1 X 17 | 1.600/40.640 | 1.717/43.611 | NO | |
| -Y18 | 1 X 18 | 1.700/43.180 | 1.817/46.151 | NO | |
| -Y19 | 1 X 19 | 1.800/45.720 | 1.917/48.691 | NO | |
| -Y20 | 1 X 20 | 1.900/48.260 | 2.017/51.231 | NO | |
| -Y21 | 1 X 21 | 2.000/50.800 | 2.117/53.771 | NO | |
| -Y22 | 1 X 22 | 2.100/53.340 | 2.217/56.311 | NO | |
| -Y23 | 1 X 23 | 2.200/55.880 | 2.317/58.851 | NO | |
| -Y24 | 1 X 24 | 2.300/58.420 | 2.417/61.391 | NO | |
| -Y25 | 1 X 25 | 2.400/60.960 | 2.517/63.931 | NO | |
| 68402-Y26 | 1 X 26 | 2.500/63.50 | 2.617/66.47 | NO | |
| 68402-Y26U | 1 X 26 | 2.500/63.50 | 2.617/66.47 | NO | |
| 68402-Y06P | 1 X 6 | .500/12.700 | .617/15.671 | YES | |
| 68402-Y27-Y50 | --- | --- | --- | NO | NOTE 12 NOTE 6 NOT AVAILABLE |

mat'l. code

litr ecn no dr date

w

angles

linear

0°±2'

dr J. SHEREINER 11/07/90

enr M. HAHN 11/07/90

chr M. HAHN 11/07/90

appd M. HAHN 11/07/90

sheet index

revision sheet

surface ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

.XX±.01/.3

.XXX±.005/.13

.XXXX±.0020/.051

projection

INCH/MM

scale 5:1

product family DUBOX

title DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR

dwg no 68402

sheet. 5 of 5

size A3

type Product Customer Drawing

FCI

STATUS:Released

Printed: Jun 27, 2014