

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

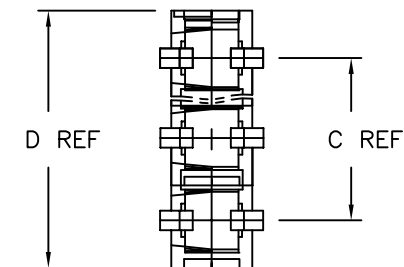
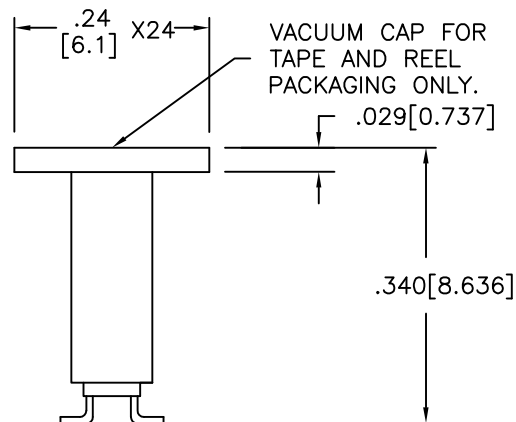
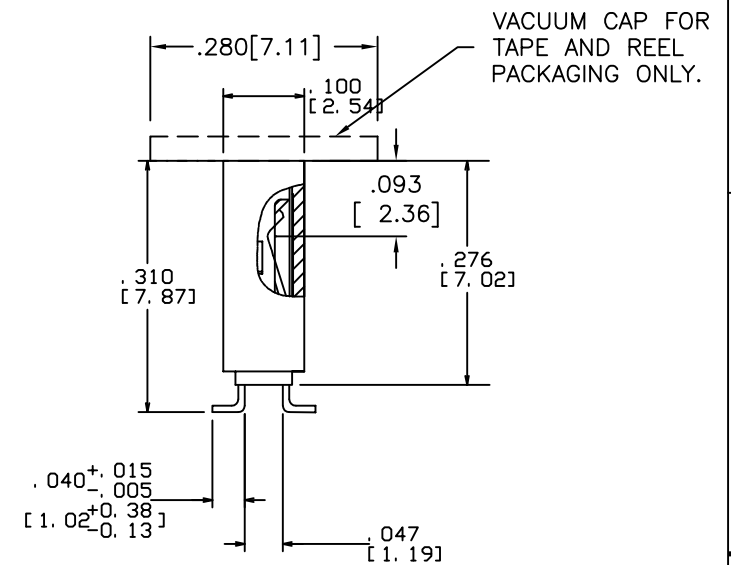
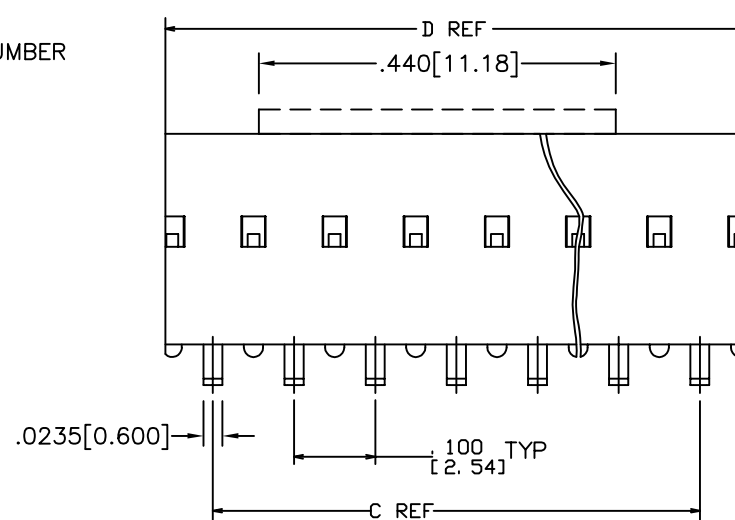


FIGURE 1
SMALL CAP FOR LESS THAN 6 POSITION

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	EX-N-17326	ZK	03/28/14	angles	linear		DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR		
W	EX-N-18093	Henry	06/26/14	0°±2°	linear				
R	V03-0309	HTB	04/28/03	dr	J. SHEREINER	11/07/90	dwg no	sheet. 1 of 5	size
S	V05-0463	DPU	06/28/05	enrg	M. HAHN	11/07/90	68402		A3
T	M07-0114	AGS	02/15/07	chr	M. HAHN	11/07/90	type Product Customer Drawing		
U	M07-0198	MHT	4/24/07	appd	M. HAHN	11/07/90			
sheet	revision	W	W	W	W	W			
index	sheet	1	2	3	4	5			

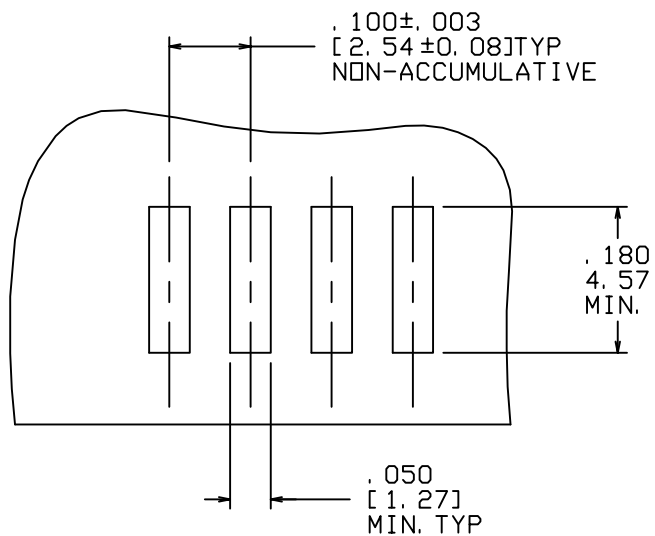


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

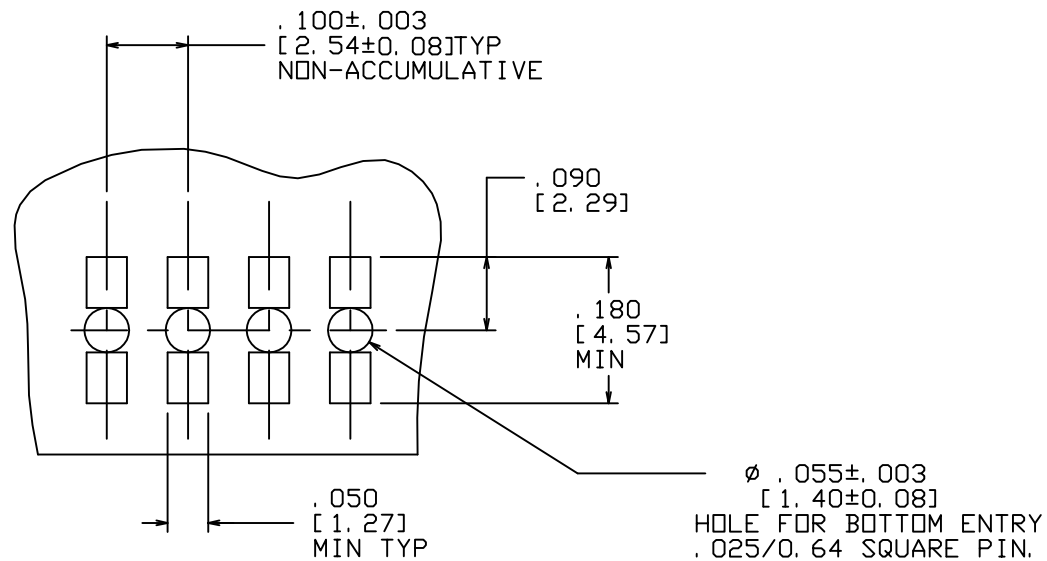


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

mat'l. code				surface ISO 1302	✓	tolerance ISO 406 ISO 1101	projection ISO 1001	product family DUBOX			
ltr	ecn no	dr	date	tolerances unless otherwise specified			INCH/MM	title			
W				angles	linear	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051		DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR			
				0°±2°			scale 5:1	dwg no			
				dr	J. SHEREINER	11/07/90	FCI	sheet. 2 of 5			
				enr	M. HAHN	11/07/90		68402			
				chr	M. HAHN	11/07/90		A3			
				appd	M. HAHN	11/07/90		type Product Customer Drawing			
sheet index	revision			sheet							

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.
- ⑮. 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 		product family DUBOX			
ltr	ecn	no	dr	date	tolerances unless otherwise specified				INCH/MM	title			
W					angles	linear	.XX±.01/.3	scale 5:1		DUBOX SURFACE MOUNT S/R VERTICAL CARD CONNECTOR			
							.XXX±.005/.13						
					0°±2'		.XXXX±.0020/.051						
					dr	J. SHEREINER	11/07/90			dwg no		sheet. 4 of 5 size	
					engr	M. HAHN	11/07/90	68402		A3			
					chr	M. HAHN	11/07/90	type Product Customer Drawing					
					appd	M. HAHN	11/07/90						
sheet index		revision sheet											

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FCI

1

2

3

4

5

6

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

-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 14

NOTE 12

NOTE 6

NOT AVAILABLE

mat'l. code

surface

tolerance

projection

product family

ISO 1302

ISO 406

ISO 1101

DUBOX

litr

ecn no

dr

date

tolerances unless otherwise specified

INCH/MM

title

W

angles

linear

.XX±.01/.3

.XXX±.005/.13

.XXXX±.0020/.051

scale 5:1

DUBOX SURFACE MOUNT S/R

DUBOX VERTICAL CARD CONNECTOR

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

FCI

dwg no

sheet. 5 of 5

size

68402

A3

type

Product Customer Drawing

sheet index

revision

sheet

1

2

3

4

5

6

form: A3

PDS: Rev :W

STATUS:Released

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