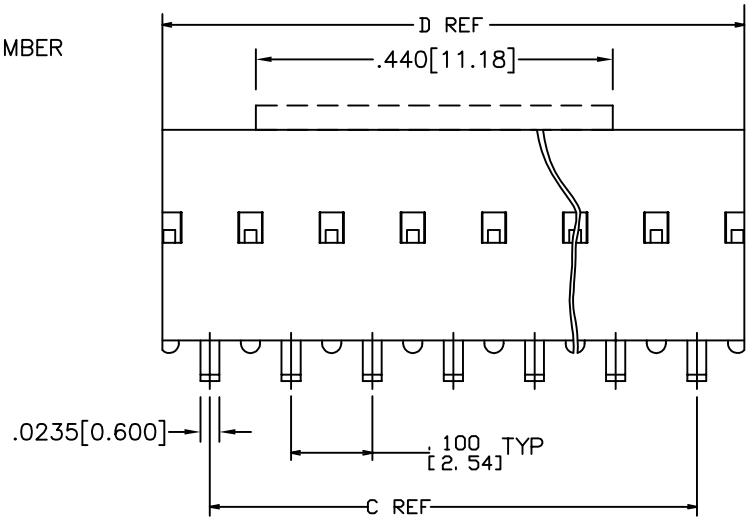
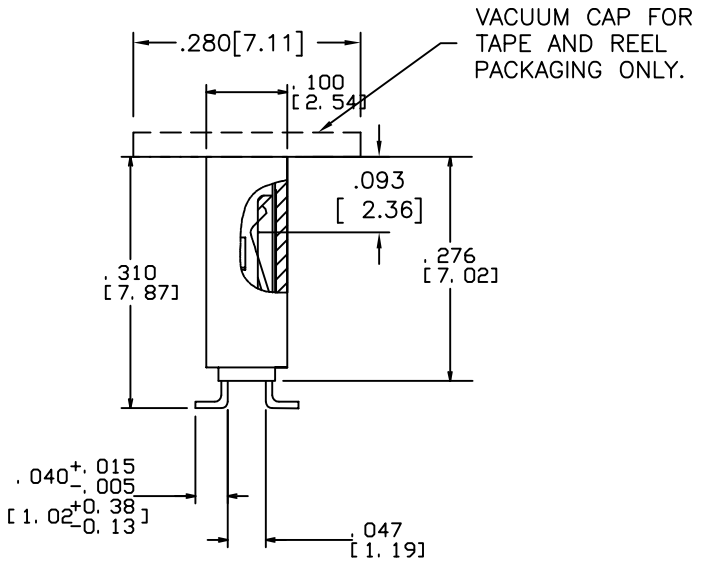
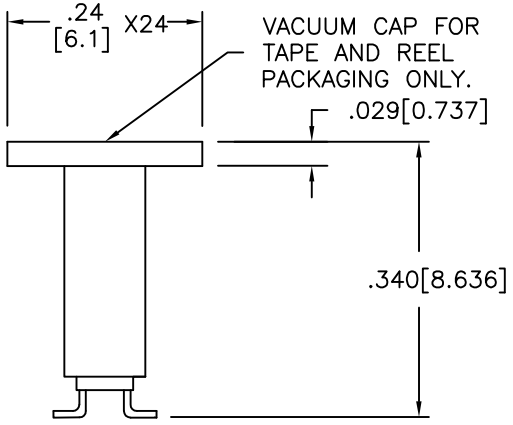
PRODUCT NUMBER
SEE TABLE

68402– XXX– LF

- LF — LEAD FREE OPTION
- XXX — PACKAGING OPTION NOTE 6.OMIT IF NOT REQUIRED
- XXX — NO OF POSITIONS PER ROW
- XXX — PLATING CODE
- 68402 — BASE PART NUMBER







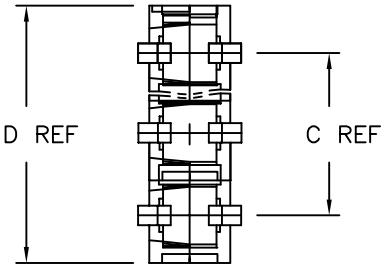


FIGURE 1
SMALL CAP FOR LESS THAN 6 POSITION

ltr	ecn no	dr	date
V	ELX-N-17326	ZK	03/28/14
W	ELX-N-18093	Henry	06/26/14
R	V03-0309	HTB	04/28/03
S	V05-0463	DPU	06/28/05
T	M07-0114	AGS	02/15/07
U	M07-0198	MHT	4/24/07

sheet index	revision sheet	W 1	W 2	W 3	W 4	W 5

dr	J. SHEREINER	11/07/90
engr	M. HAHN	11/07/90
chr	M. HAHN	11/07/90
appd	M. HAHN	11/07/90

mat'l. code

surface ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles 0°±2°

linear .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. 1of 5 size A3

type Product Customer Drawing

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form: A3

PDS: Rev :W STATUS:Released Printed: Jun 27, 2014

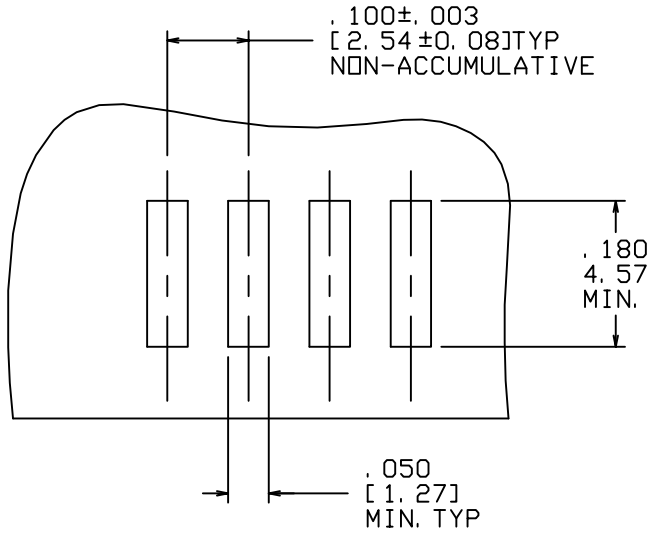

FIGURE A
TOP ENTRY
.025/.64 SQ PIN

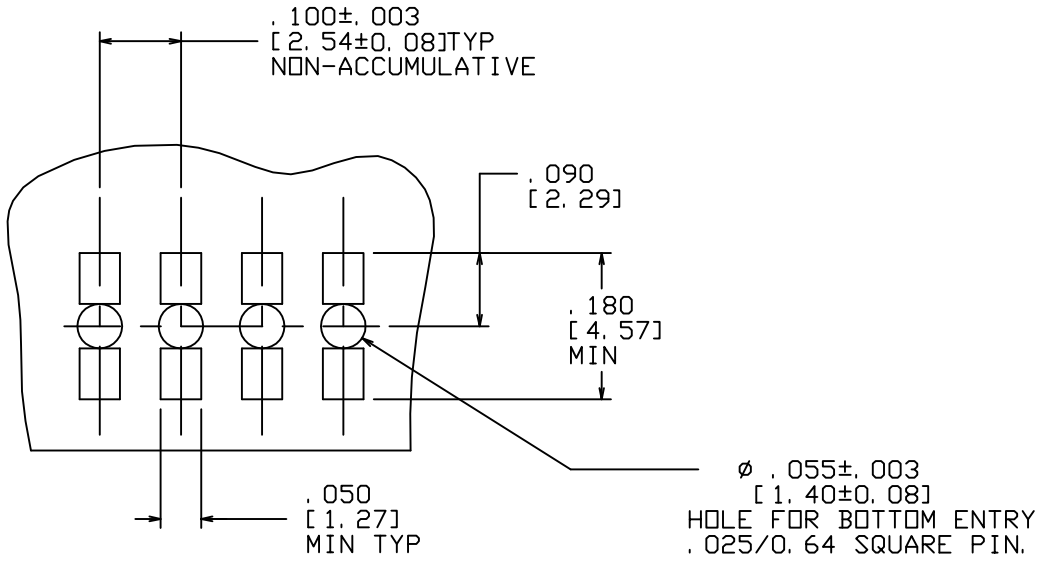

FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

| | | |

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

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

form: A3

PRODUCT NUMBER
SEE TABLE

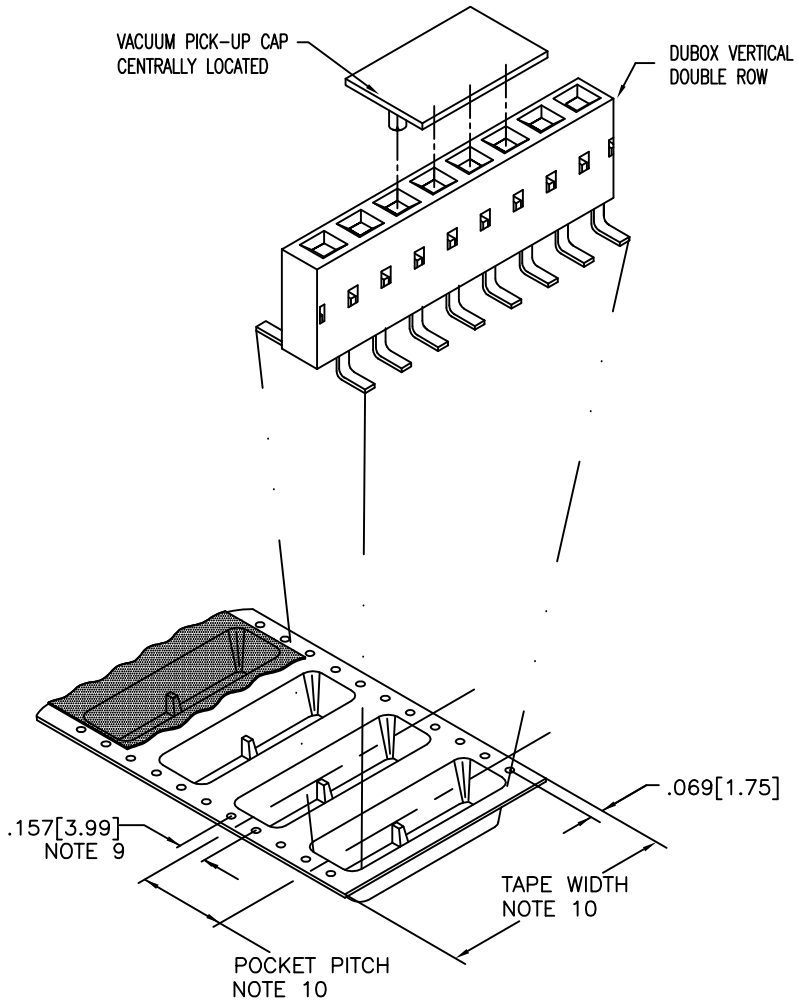

FIGURE 2
TAPE & REEL PACKAGING

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±.010 [5.33±.51]
3. HOUSING MATERIAL: P.P.S., FILLED.
   FLAME RETARDANT PER UL 94 V-O.
   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.

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

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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	
-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	NOTE 14
-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	NOTE 12
68402-Y06P	1 X 6	.500/12.700	.617/15.671	YES	NOTE 6
68402-Y27-Y50	— — — — — —	— — — — —	— — — — —	~~NO~~ — — —	NOT AVAILABLE

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

form: A3

PDS: Rev :W STATUS:Released Printed: Jun 27, 2014