

SEE TABLE

68046 - XXX - LF

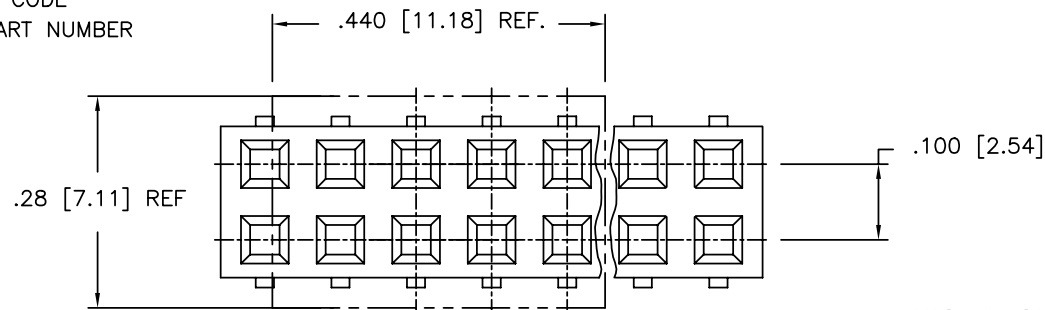
—LEAD FREE OPTION

- PACKAGING OPTION NOTE 6.0 MIT IF NOT REQUIRED

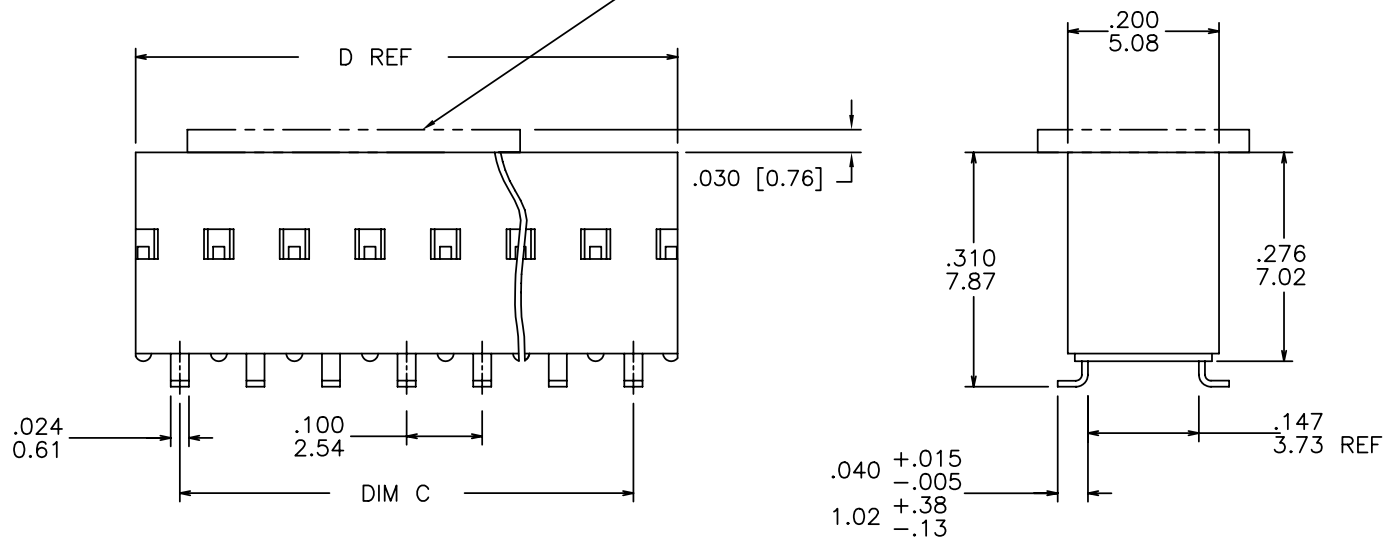
-NO OF POSITIONS PER ROW

-PLATING CODE

-BASE PART NUMBER



VACUUM CAP FOR
TAPE & REEL PACKAGING
OPTION. NOTE 8



mat'l. code				surface		tolerance		projection		product family			
				ISD 1302 ✓		ISD 406 ISD 1101				DUBOX			
ltr ecn nodr		date		tolerances unless otherwise specified						title			
AV N-005264 SH		2011-8-23		angles		linear				SMT DOUBLE ROW VCC ASSEMBLY			
AN V04-0986 DAI		10/13/04											
AP V04-1003 DAI		10/25/04		0±.2		$3X \pm .01 / X \pm .3$ $3X \pm .005 / 3X \pm .13$ $3X \pm .0020 / 3X \pm .05$		scale 1:1		dwg no 68046 type Product Customer Drawing			
AR V05-0463 DPU		06/28/05		dr J. SHREINER		11/07/90							
AS M07-0143 ERE		03/03/07		enr M. HAHN		11/07/90							
AT M07-0203 AGS		5/02/07		chr M. HAHN		11/07/90							
AU M08-0065 MHT		3/04/05		app M. HAHN		11/07/90							
sheet revision		AV		AV		AV							
index		sheet		1		2		3		4		5	

PRODUCT NUMBER NOTE 15	PLATING CONTACT AREA	PLATING SOLDER TAIL	MATERIAL REF
68046-2XX	15μ"/.38μ Au OR GXT MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μ" 2.54μ"/4.06μ" SN	NOTE 3&4
68046-3XX	30μ"/.76μ Au OR GXT MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μ" 2.54μ"/4.06μ" SN	NOTE 3&4
68046-4XX	100μ"/2.54 SN MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μ" 2.54μ"/4.06μ" SN	NOTE 3,4&17
68046-6XX	30μ"/.76μ Au OR GXT MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μ" 2.54μ"/4.06μ" SN	NOTE 3&4
68046-8XX	30μ"/.76μ Au MIN OVER 50μ"/1.27μ Ni MIN	200μ"/5.08μ SL MIN	NOTE 3&4

OBSOLETE

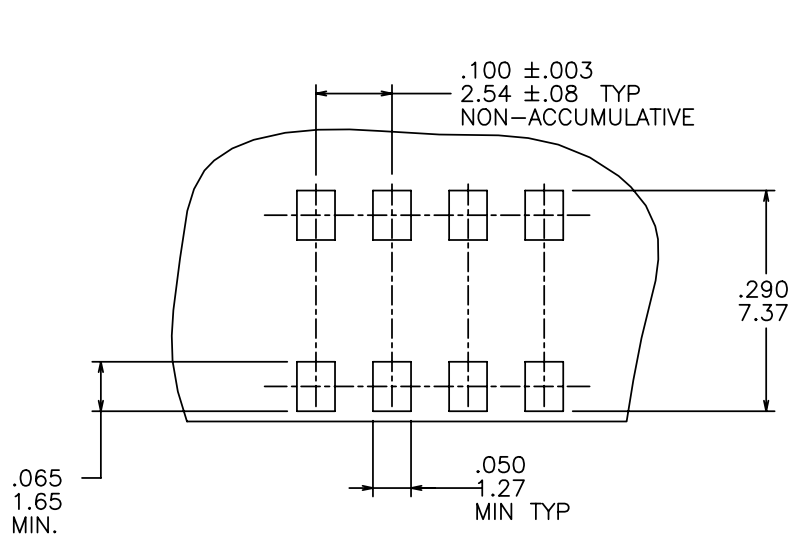


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

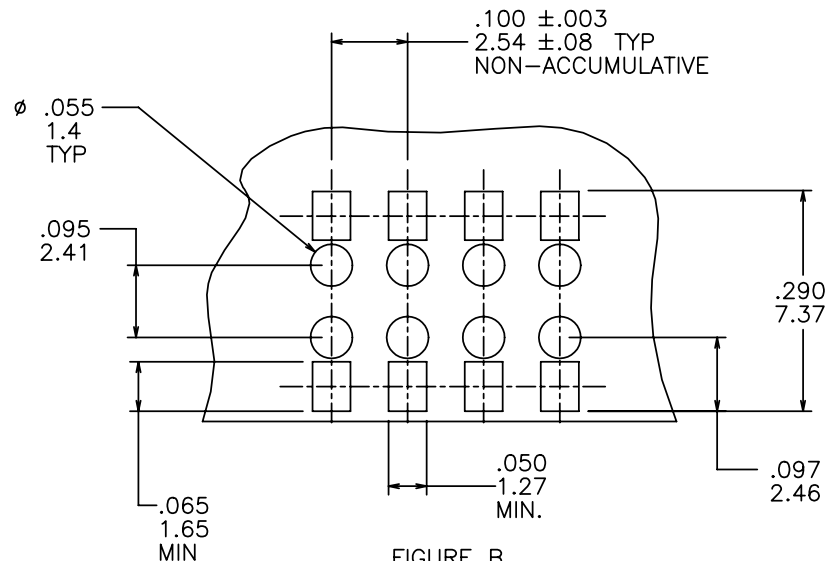
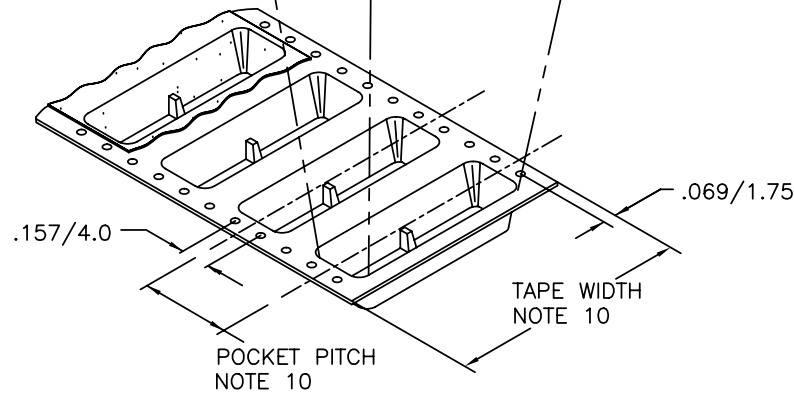


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family DUBOX	
l'tec n odr date		tolerances unless otherwise specified		line		scale 1:1		title SMT DOUBLE ROW VCC ASSEMBLY	
AV		angles	0°±2°	line	XXXX±.005/XXX±.13			dwg no 68046	
		dr	J. SHREINER	11/07/90			sheet 2 of 5		size A3
		enr	M. HAHN	11/07/90			type		Product Customer Drawing
		chr	M. HAHN	11/07/90					
		app	M. HAHN	11/07/90					
sheet index	revision sheet								

VACUUM PICK-UP CAP
CENTRALLY LOCATED

DUBOX VERTICAL RECEPTACLE
DOUBLE ROW



TAPE AND REEL PACKAGING

SEE NOTE 7

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 ON 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-V0.
COMPATIBLE WITH INFRA-RED SOLDERING.
COLOR: BLACK
PART WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 20 SEONDS IN WAVE SOLDER,INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
4. PRESTAMPED POST PLATED TERMINAL.
5. FCI, FCI FINAL 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.
7. TAPE AND REEL PACKAGING PER GES-14-334.
8. VACUUM CAP MATERIAL: L.C.P., FLAME RETARDANT UL 94 V-0.
COLOR : BLACK
CAP IS USED WITH TAPE AND REEL PACKAGING.
CAP IS TO BE CENTRALLY LOCATED ON PART.
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 OF TAPE.
10. TAPE & REEL PACKAGING 24mm AND 32mm TAPE WIDTH, WITH 112mm POCKET PITCH.
11. MAXIMUM LENGTH OF CONNECTOR FOR TAPE AND REEL PACKAGING IS 2.50 LONG /63.5mm
12. PART NUMBER WITH SUFFIX "U" IS FOR SAWING PURPOSES ONLY.
13. STANDARD TUBE PACKAGE PER BUS-14-097/3.
14. TAPE & REEL PACKAGING 72mm TAPE WIDTH WITH 16mm POCKET PITCH.
15. ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION
16. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
17. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS".

mat'l. code		surface ☒ ISD 1302 ☐ ISD 406 ☐ ISD 1101		tolerance		projection		product family	
ltr ecn nodr		date		tolerances unless otherwise specified				DUBOX	
AV				angles		line		title	
				0°±2°		XXX±.01/XX±.3 XXX±.0005/XXX±.13 XXX±.0020/XXX±.05		SMT DOUBLE ROW VCC ASSEMBLY	
				dr		J. SHREINER 11/07/90		dwg no	
				engr		M. HAHN 11/07/90		sheet 3 of 5	
				chr		M. HAHN 11/07/90		size	
				appd		M. HAHN 11/07/90		A3	
sheet		revision						type Product Customer Drawing	
index		sheet							

1

2

3

4

5

6

PRODUCT NUMBER

NO. OF POS.

C DIM

D DIM

TAPE & REEL PACKAGING

LF OPTION

68046-Y02

2 X 2

.100/2.540

.217/5.511

NO

-Y03

2 X 3

.200/5.080

.317/8.051

NO

-Y04

2 X 4

.300/7.620

.417/10.591

NO

-Y05

2 X 5

.400/10.160

.517/13.131

NO

-Y06

2 X 6

.500/12.700

.617/15.671

NO

-Y07

2 X 7

.600/15.240

.717/18.211

NO

-Y08

2 X 8

.700/17.780

.817/20.751

NO

-Y09

2 X 9

.800/20.320

.917/23.291

NO

-Y10

2 X 10

.900/22.860

1.017/25.831

NO

-Y11

2 X 11

1.000/25.400

1.117/28.371

NO

-Y12

2 X 12

1.100/27.940

1.217/30.911

NO

-Y13

2 X 13

1.200/30.480

1.317/33.451

NO

-Y14

2 X 14

1.300/33.020

1.417/35.991

NO

-Y15

2 X 15

1.400/35.560

1.517/38.531

NO

-Y16

2 X 16

1.500/38.100

1.617/41.071

NO

-Y17

2 X 17

1.600/40.640

1.717/43.611

NO

-Y18

2 X 18

1.700/43.180

1.817/46.151

NO

-Y19

2 X 19

1.800/45.720

1.917/48.691

NO

-Y20

2 X 20

1.900/48.260

2.017/51.231

NO

-Y21

2 X 21

2.000/50.800

2.117/53.771

NO

-Y22

2 X 22

2.100/53.340

2.217/56.311

NO

-Y23

2 X 23

2.200/55.880

2.317/58.851

NO

-Y24

2 X 24

2.300/58.420

2.417/61.391

NO

68046-Y25

2 X 25

2.400/60.960

2.517/63.931

NO

NOTE 15

FCI

FCIconnect.com

Copyright FCI

mat'l. code

surface
ISO 1302

tolerance
ISO 406
ISO 1101

projection

product family
DUBOX

ltr ecn nodr date

tolerances unless otherwise specified

title

AV

angles

linea

XX±.01/XX±.3

XXX±.0005/XXX±.13

XXXX±.0020/XXX±.05

INCH/MM

scale 1:1

FCI

dwg no

sheet # of 5

size

dr J. SHREINER 11/07/90

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

41

PDS: Rev :AV

STATUS: Released

Printed: Aug 24, 2011

PROD. NUMBER	NO. POSI.	C DIM	D DIM	TAPE & REEL PACKAGING	LF OPTION
68046-Y26	2 X 26	2.500/63.500	2.617/66.471	NO	NOTE 15
↑ -Y27	2 X 27	2.600/66.040	2.717/69.011	NO	
-Y28	2 X 28	2.700/68.580	2.817/71.551	NO	
-Y29	2 X 29	2.800/71.120	2.917/74.091	NO	
-Y30	2 X 30	2.900/73.660	3.017/76.631	NO	
-Y31	2 X 31	3.000/76.200	3.117/79.171	NO	
-Y32	2 X 32	3.100/78.740	3.217/81.711	NO	
-Y33	2 X 33	3.200/81.280	3.317/84.251	NO	
-Y34	2 X 34	3.300/83.820	3.417/86.791	NO	
-Y35	2 X 35	3.400/86.360	3.517/89.331	NO	
-Y36	2 X 36	3.500/88.900	3.617/91.871	NO	
-Y37	2 X 37	3.600/91.440	3.717/94.411	NO	
-Y38	2 X 38	3.700/93.980	3.817/96.951	NO	
-Y39	2 X 39	3.800/96.520	3.917/99.491	NO	
-Y40	2 X 40	3.900/99.060	4.017/102.031	NO	
-Y41	2 X 41	4.000/101.600	4.117/104.571	NO	
-Y42	2 X 42	4.100/104.140	4.217/107.111	NO	
-Y43	2 X 43	4.200/106.680	4.317/109.651	NO	
-Y44	2 X 44	4.300/109.220	4.417/112.191	NO	
-Y45	2 X 45	4.400/111.760	4.517/114.731	NO	
-Y46	2 X 46	4.500/114.300	4.617/117.271	NO	
-Y47	2 X 47	4.600/116.840	4.717/119.811	NO	
-Y48	2 X 48	4.700/119.380	4.817/122.351	NO	
-Y49	2 X 49	4.800/121.920	4.917/124.891	NO	
-Y50	2 X 50	4.900/124.460	5.017/127.431	NO	
-Y50U	2 X 50	4.900/124.460	5.017/127.431	NO	
-Y03P	2 X 3	0.200/5.080	0.317/8.051	YES	
-Y04P	2 X 4	0.300/7.620	0.417/10.592	YES	
↓ -Y05P	2 X 5	0.400/10.160	0.517/13.131	YES	
68046-Y06P	2 X 6	0.500/12.700	0.617/15.671	YES	
68046-Y07P	2 X 7	0.600/15.240	0.717/18.211	YES	
68046-Y12P	2 X 12	1.100/27.94	1.217/30.91	YES	
68046-Y13P	2 X 13	1.200/30.48	1.317/33.45	YES	
68046-Y20P	2 X 20	1.900/48.260	2.017/51.231	YES	

NOTE 15

NOTE 12	
NOTE 6 & 9	
NOTE 6 & 10	
NOTE 6 & 10	
NOTE 6 & 10	
NOTE 6 & 10	
NOTE 6 & 9	OBSELETE
NOTE 6 & 14	
NOTE 6 & 14	

mat'l. code				surface		tolerance		projection		product family			
				ISO 1302 ✓		ISO 406 ISO 1101				DUBOX			
ltr		ecn		nodr		date		tolerances unless otherwise specified				title	
AV								± 0.1 ± 0.005 ± 0.13		INCH/MM		SMT DOUBLE ROW	
								± 0.020 ± 0.05		scale 1:1		VCC ASSEMBLY	
								dr J. SHREINER 11/07/90 enr M. HAHN 11/07/90 chr M. HAHN 11/07/90 app M. HAHN 11/07/90				dwg no 68046 shee 5 of 5 size A3	
sheet		revision								type		Product Customer Drawing	
index		sheet											