

PRODUCT NUMBER

SEE TABLE

68046 - XXX - LF

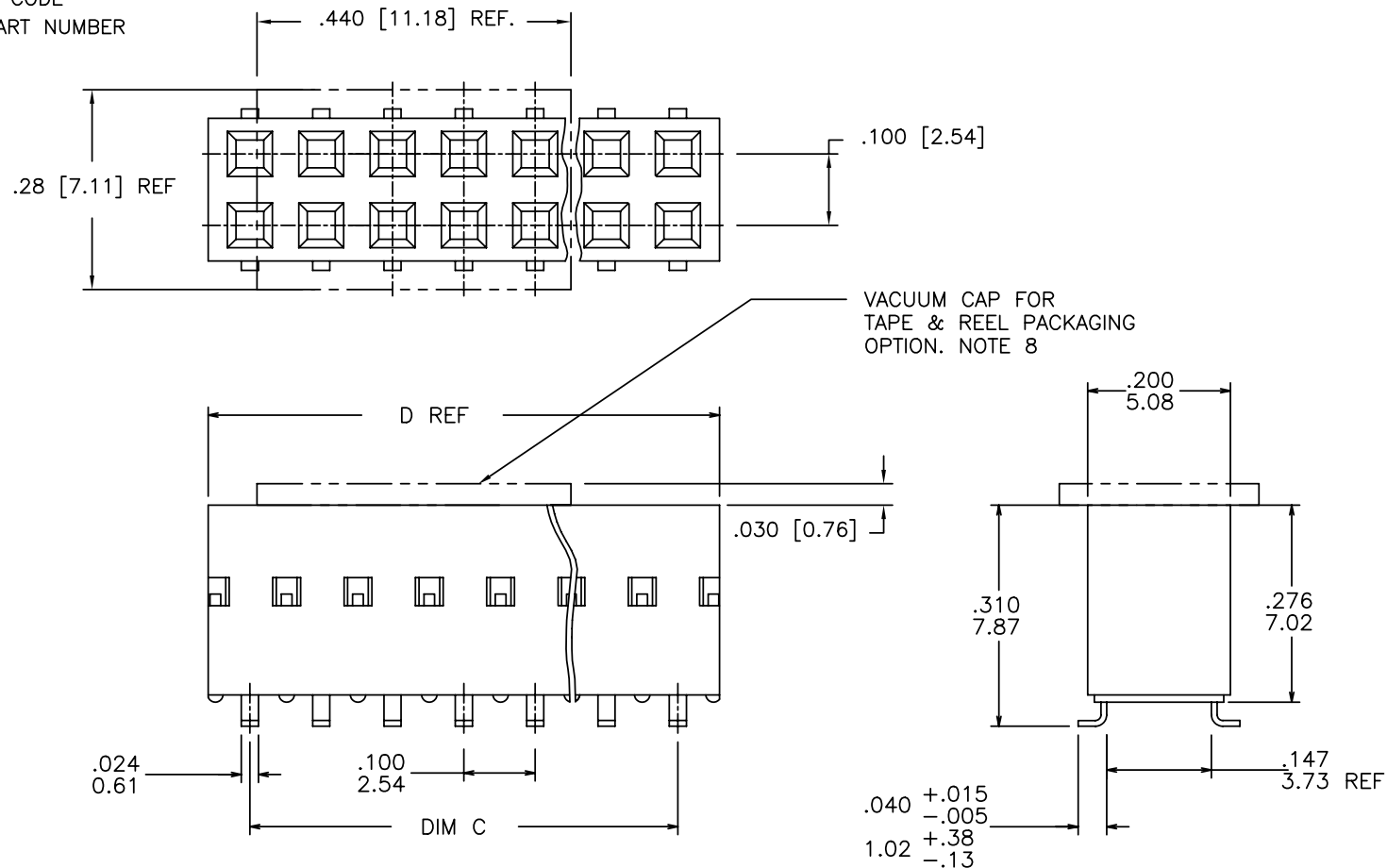
LEAD FREE OPTION

PACKAGING OPTION NOTE 6. OMIT IF NOT REQUIRED

NO OF POSITIONS PER ROW

PLATING CODE

BASE PART NUMBER



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		N-005264		SH		2011-8-25				INCH/MM		SMT DOUBLE ROW VCC ASSEMBLY	
AN		V04-0986		DAI		10/13/04							
AP		V04-1003		DAI		10/25/04							
						0°±2°		scale 1:1					
AR		V05-0463		DPU		06/28/05		dr		J. SHREINER		11/07/90	
AS		M07-0143		ERE		03/03/07		engr		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		appd		M. HAHN		11/07/90	
sheet		revision		AV		AV		AV		AV		AV	
index		sheet		1		2		3		4		5	
				1		2		3		4			
				1		2		3		4			

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

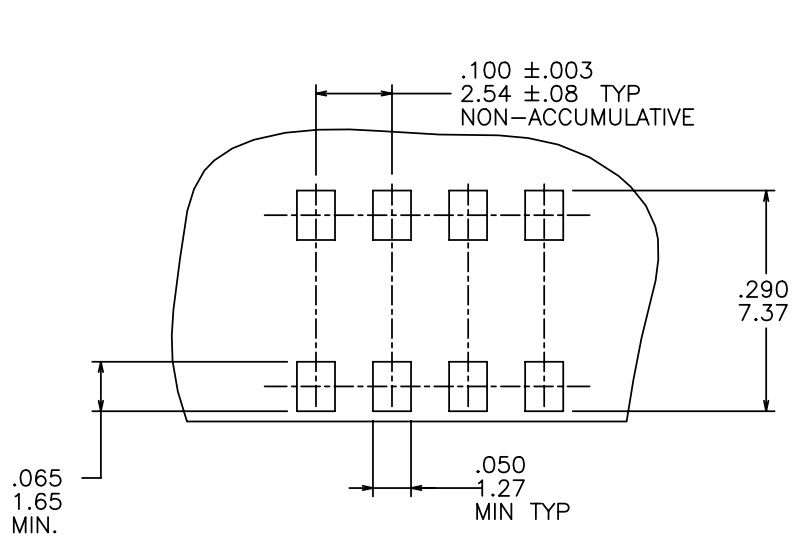


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

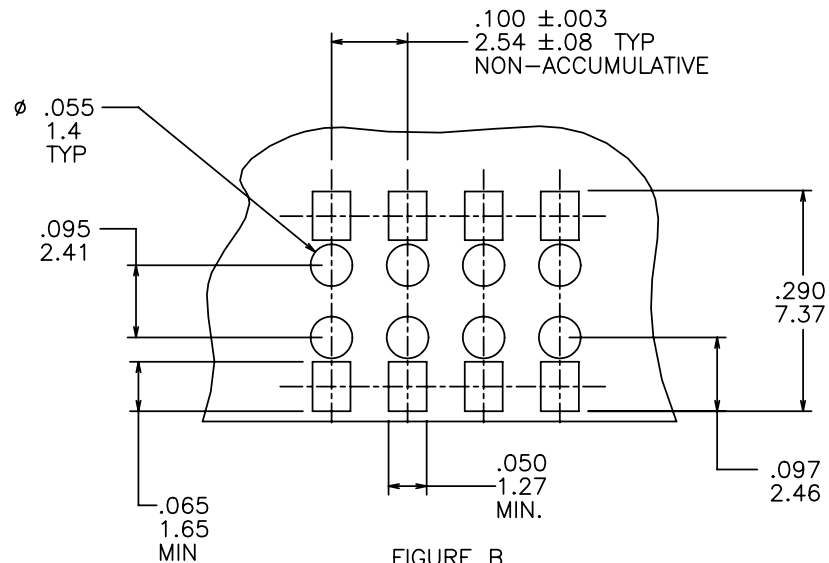


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

mat'l. code	surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family DUBOX
l'tec n n d r date	tolerances unless otherwise specified			title
AV	angles 0°±2°	line XX±.01/XX±.3 XXX±.005/XX±.13 XXXX±.0020/XXX±.05	scale 1:1	SMT DOUBLE ROW VCC ASSEMBLY
	dr J. SHREINER	11/07/90		dwg no
	enr M. HAHN	11/07/90		68046
	chr M. HAHN	11/07/90		sheet 2 of 5
	app M. HAHN	11/07/90		size A3
sheet index	revision sheet			type Product Customer Drawing

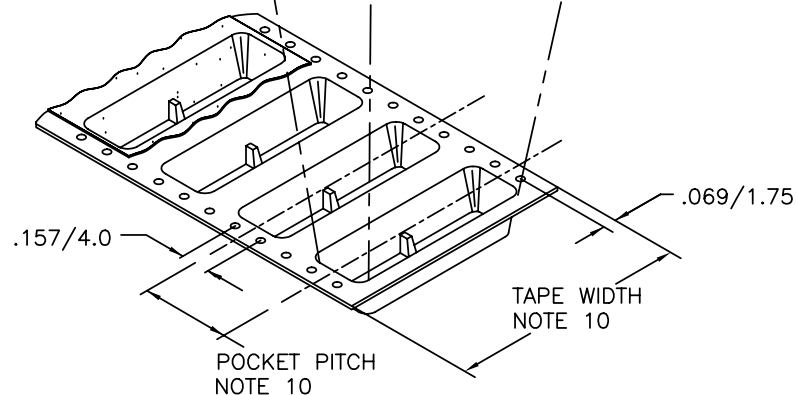
PDS: Rev :AV

STATUS: Released

Printed: Aug 24, 2011

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 SECONDS 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	tolerance	projection	product family
	ISO 1302 ✓	ISO 406 ISO 1101		DUBOX
ltr ecn nodr date	tolerances unless otherwise specified			title
AV	angles	linear	INCH/MM	SMT DOUBLE ROW VCC ASSEMBLY
	0°±2°	linear	scale 1:1	
	dr J. SHREINER 11/07/90	engr M. HAHN 11/07/90		dwg no 68046
	chr M. HAHN 11/07/90	appd M. HAHN 11/07/90		sheet 3 of 5
sheet index	revision sheet			size A3
				type Product Customer Drawing

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	NOTE 15
↑ -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	

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection family DUBOX	
ltr ecn nodr date				tolerances unless otherwise specified				title	
AV				angles		$\frac{XXX \pm .01}{XXX}$		INCH/MM	
				lineal		$\frac{XXXX \pm 0.005}{XXX \pm .13}$		SMT DOUBLE ROW	
				0° ± 2°		$\frac{XXXXXX \pm .0020}{XXX \pm .05}$		VCC ASSEMBLY	
				dr J. SHREINER		11/07/90		dwg no	
				engr M. HAHN		11/07/90		sheet # of 5 size	
				chr M. HAHN		11/07/90		68046 A3	
				appd M. HAHN		11/07/90		FCI	
sheet revision								type Product Customer Drawing	
index sheet									

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 ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family DUBOX			
ltr ecn nodr date				tolerances unless otherwise specified						title			
AV				angles		linea		INCH/MM		SMT DOUBLE ROW			
								scale 1:1		VCC ASSEMBLY			
				dr J. SHREINER		11/07/90		FCI 		dwg no		shee 5 of 5 size	
				engr M. HAHN		11/07/90				68046		A3	
				chr M. HAHN		11/07/90							
				appd M. HAHN		11/07/90				type Product Customer Drawing			
sheet		revision											
index		sheet											