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PRODUCT NUMBER

SEE TABLE

68046 - XXX - LF

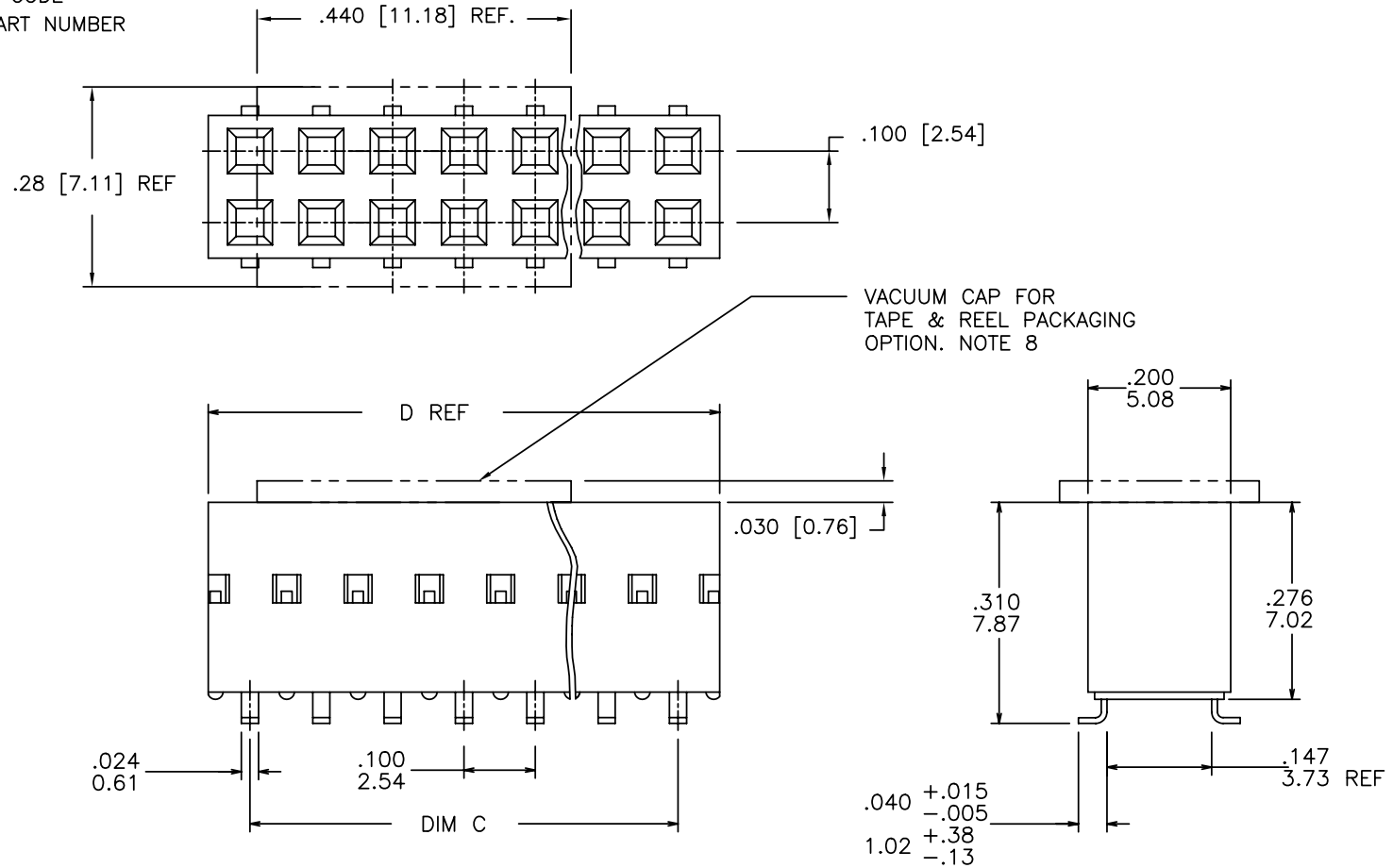
LEAD FREE OPTION

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					
AV		N-005264	SH	2011-8-25		angles linear				title SMT DOUBLE ROW VCC ASSEMBLY	
AN		V04-0986	DAI	10/13/04							
AP		V04-1003	DAI	10/25/04							
				0°±2°		XX±.01/XX±.3 XXX±.0005/XXX±.13 XXXX±.0020/XXXX±.05		INCH/MM			
AR		V05-0463	DPU	06/28/05		chr	J. SHREINER	11/07/90		scale 1:1	
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		revisio	AV	AV	AV	AV	AV			dwg no	
index		sheet	1	2	3	4	5			sheet of 5	
										size	
										68046	
										A3	
										type Product Customer Drawing	

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

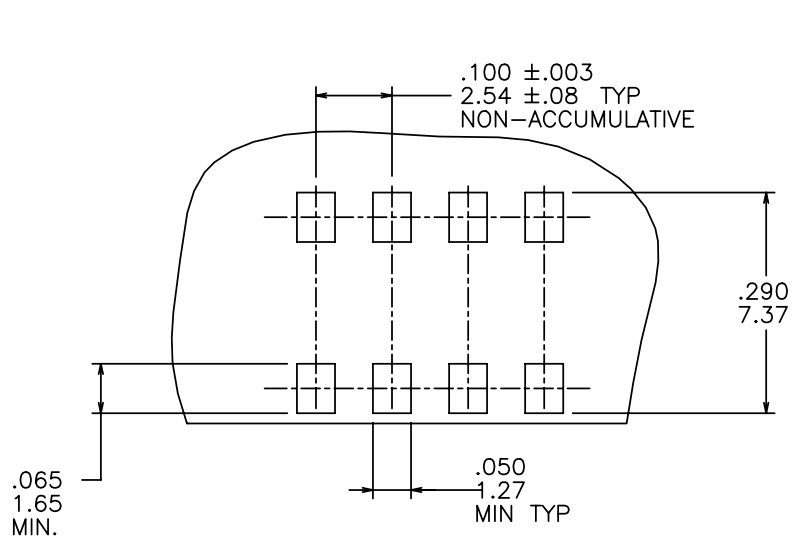


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

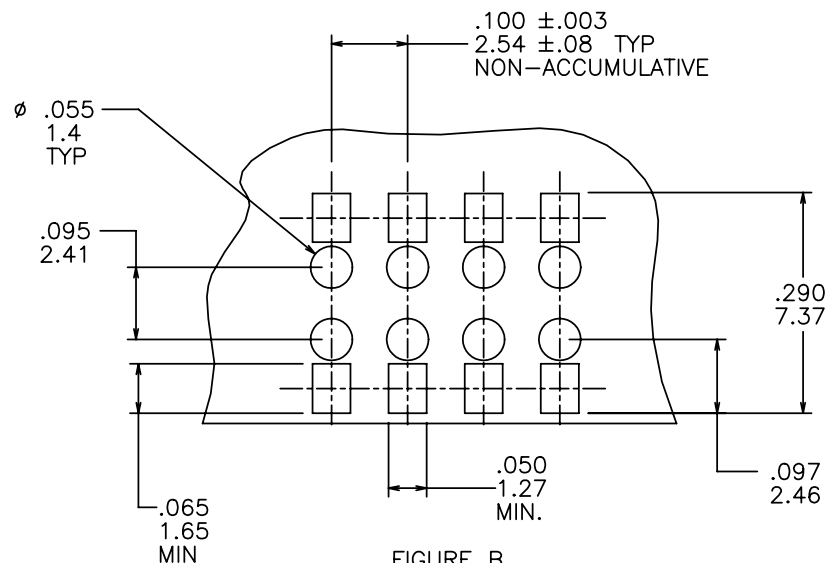
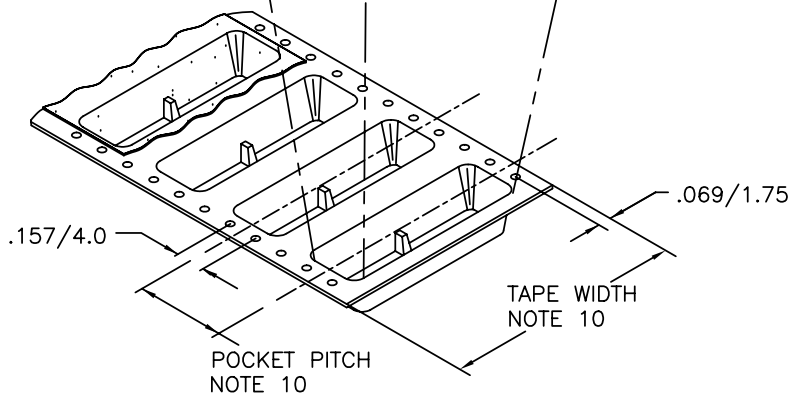


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family DUBOX	
l'tecn nodr date		tolerances unless otherwise specified		angles 0°±2°		linea XXX±.005/XXX±.13 XXXX±.0020/XXX±.05		title SMT DOUBLE ROW VCC ASSEMBLY	
AV								dwg no 68046	
		dr J. SHREINER 11/07/90		engr M. HAHN 11/07/90		chr M. HAHN 11/07/90		sheet 2 of 5 size A3	
		appr M. HAHN 11/07/90						type Product Customer Drawing	
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 406 ☒ ISD 1302 ☐ ISD 1101		projection	product family DUBOX	
ltr	ecn	nodr	date	tolerances unless otherwise specified		title
AV				angles	linea	SMT DOUBLE ROW VCC ASSEMBLY
				0°±2°	XXXX±.01/XX±.3 XXXX±.0005/XX±.13 XXXX±.0020/XX±.05	
					scale 1:1	
				dr	J. SHREINER	11/07/90
				engr	M. HAHN	11/07/90
				chr	M. HAHN	11/07/90
				appd	M. HAHN	11/07/90
sheet	revision					
index	sheet					

dwg no 68046
sheet 3 of 5
size A3
type Product Customer Drawing

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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		tolerance		projection		product family	
ISO 1302		ISO 406		ISO 1101		INCH/MM		DUBOX	
tolerances unless otherwise specified		angles		linea		scale 1:1		title	
AV		0°±2°		XXX±.01/XX±.3		F		SMT DOUBLE ROW VCC ASSEMBLY	
dr		J. SHREINER		11/07/90		F		dwg no	
enr		M. HAHN		11/07/90		F		sheet # of 5	
chr		M. HAHN		11/07/90		F		68046	
appd		M. HAHN		11/07/90		F		A3	
sheet index		revision sheet						type Product Customer Drawing	

Form A3

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PDS: Rev :AV

STATUS: Released

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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 12

NOTE 6 & 9

NOTE 6 & 10

NOTE 6 & 10

NOTE 6 & 10

NOTE 6 & 10

NOTE 6 & 9 — OBSOLETE

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							
AV		angles	linea	XX±.01/XX±.3		INCH/MM		title	
				XXX±.005/XX±.13				SMT DOUBLE ROW	
		0°±2°		XXXX±.0020/XXX±.05		scale 1:1		VCC ASSEMBLY	
		dr	J. SHREINER	11/07/90				dwg no	
		engr	M. HAHN	11/07/90				shee5 of5 size	
		chr	M. HAHN	11/07/90				68046 A3	
		appd	M. HAHN	11/07/90				type Product Customer Drawing	
sheet	revision								
index	sheet								

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