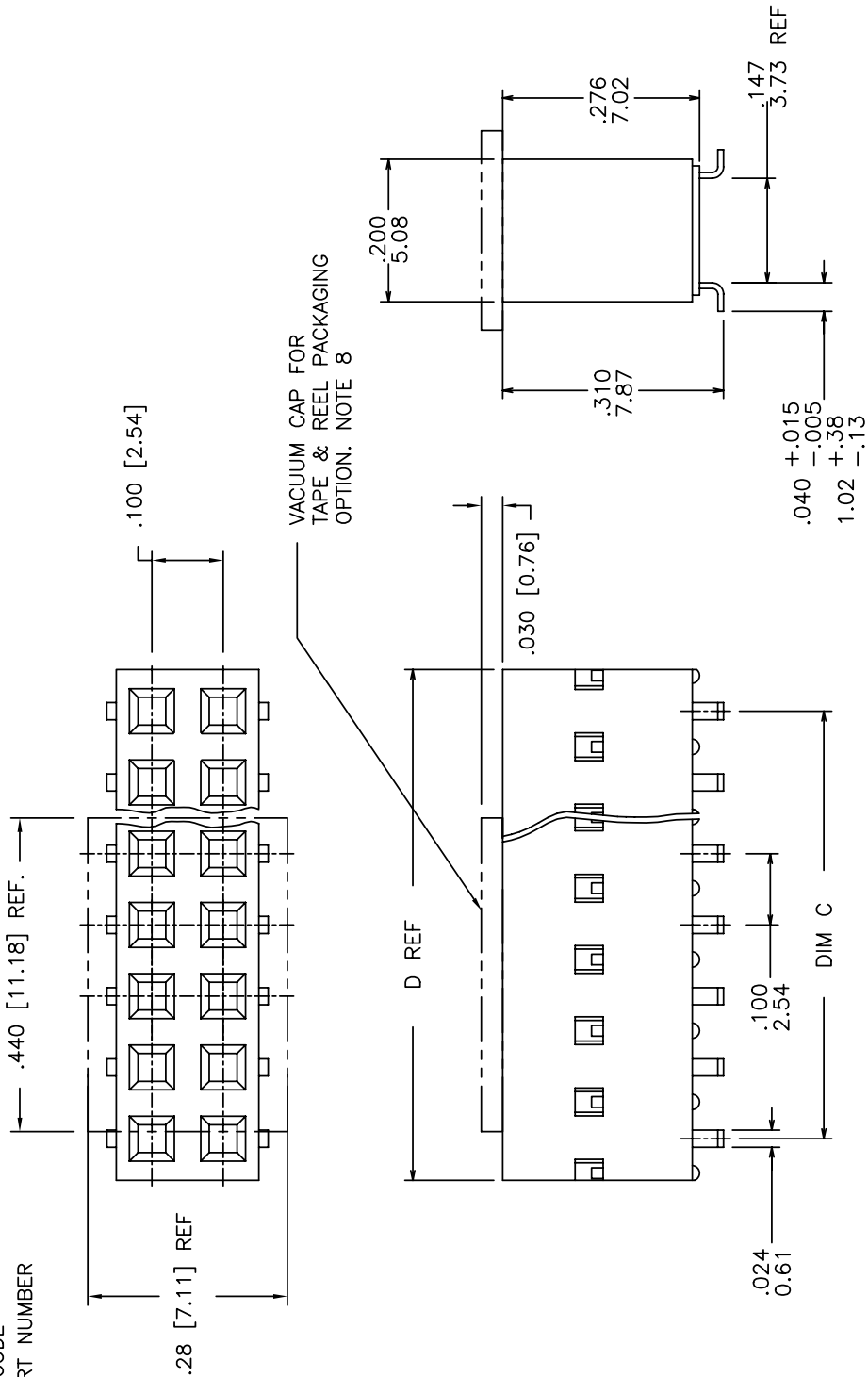


PRODUCT NUMBER
SEE TABLE

68046 - XXX - LE
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	
ISD 1302		ISD 406		ISD 1101		ASME Y14.5		DUBOX	
tr.ecn n°dr		date		tolerances unless otherwise specified		title		SMT DOUBLE ROW	
AV N-005264 SH		2011-8-28		.XXX/.XXX/.XXX		INCH/MM		VCC ASSEMBLY	
AN V04-0986		DAI 10/13/04		.XXX/.XXX/.XXX		scale 1:1		dwg no 68046	
AP V04-1003		DAI 10/25/04		.XXX/.XXX/.XXX				sheet of 5	
AR V05-0463		DPU 06/28/05		.XXX/.XXX/.XXX				A3	
AS M07-0143		ERE 03/03/07		.XXX/.XXX/.XXX				Product Customer Drawing	
AT M07-0203		AGS 5/02/07		.XXX/.XXX/.XXX					
AU M08-0065		MHT 3/04/05		.XXX/.XXX/.XXX					
sheet		revisi°n		app'd					
index		1		2		3		4	
		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"/160μSN 2.54μ"/4.06μSN	NOTE 3&4
68046-3XX	30μ"/.76μ Au OR GXT MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μSN 2.54μ"/4.06μSN	NOTE 3&4
68046-4XX	100μ"/2.54 SN MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μSN 2.54μ"/4.06μSN	NOTE 3,4&17
68046-6XX	30μ"/.76μ Au OR GXT MIN OVER 50μ"/1.27μ Ni MIN	100μ"/160μSN 2.54μ"/4.06μSN	NOTE 3&4
68046-8XX	30μ"/.76μ Au MIN OVER 50μ"/1.27μ Ni MIN	200μ"/5.08μ SL MIN	NOTE 3&4

OBSOLETE

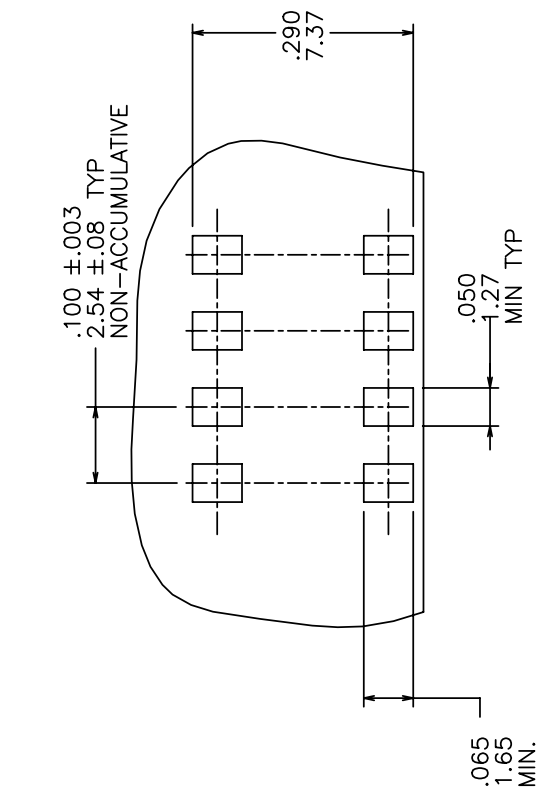


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

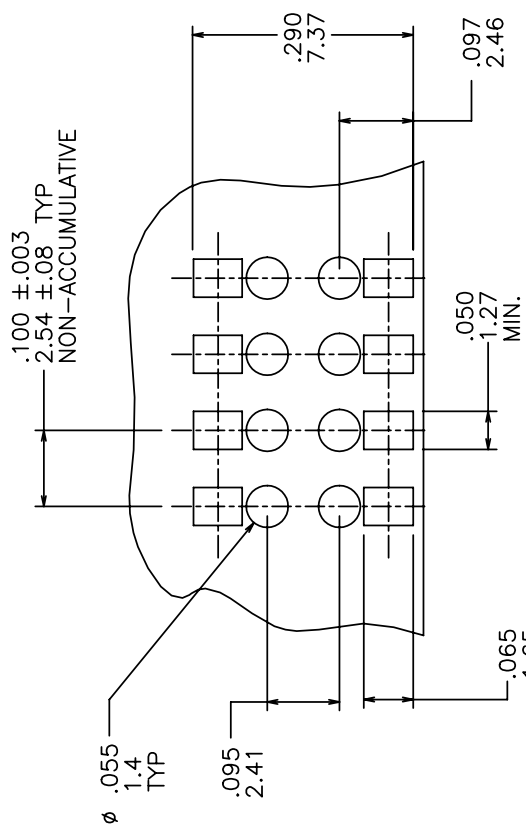
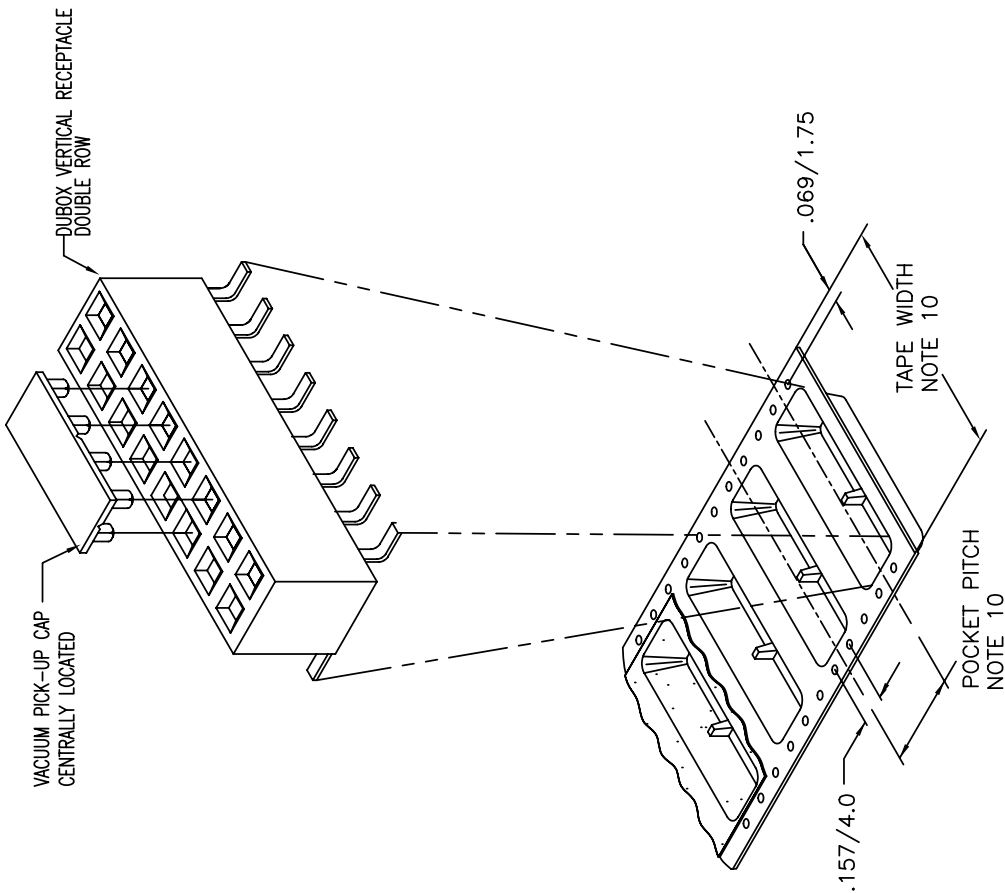


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

mat'l. code	surface	tolerance	projection	product family
AV	ISO 1302	ISO 406 ISO 1101	INCH/MM	DUBOX
date	angles	linea	title	
	0°±2°	.XXL0/.XXL3 .XXX±.005/.XXL13	SMT DOUBLE ROW VCC ASSEMBLY	
dr	J. SHREINER	.XXX±.005/.XXX±.05	scale 1:1	dwg no 68046
engr	M. HAHN	11/07/90		sheet of 5 size A3
chr	M. HAHN	11/07/90		Product Customer Drawing
appd	M. HAHN	11/07/90		
sheet index	revision	sheet		



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
tr/ecn n°dr	ISO 1302	ISO 406	ISO 1101	DUBOX
date	tolerances unless otherwise specified			
AV	angles	linear	INCH/MM	title
	0°±Z	XXX±.005/XXX.13	XXX±.020/XXX.15	SMT DOUBLE ROW
	dr	J. SHREINER	11/07/90	VCC ASSEMBLY
	engr	M. HAHN	11/07/90	sheet no 68046 of 5 size A3
	chr	M. HAHN	11/07/90	type Product Customer Drawing
	appd	M. HAHN	11/07/90	
sheet index				
revision				
sheet				
index				



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	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	

A

B

C

D

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mat'l. code	surface	tolerance	projection	product family
tr.ecn n°	ISO 1302	ISO 406		DUBOX
date	tolerances unless otherwise specified	ISO 1101		title
	angles	.XX±.01/.XX.3	INCH/MM	SMT DOUBLE ROW
	0°±2°	.XXX±.000/.XXX±.05	scale 1:1	VCC ASSEMBLY
	dr	J. SHREINER		dwg no
	engr	M. HAHN		68046
	chr	M. HAHN		sheet # of 5
	appd	M. HAHN		A3
sheet index	revision			Product Customer Drawing
	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	
↑ -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 — OBSOLETE
 NOTE 6 & 14
 NOTE 6 & 14

mat'l. code	surface	tolerance	projection	product family
tr/ecln n0dbr	ISO 1302	ISO 406	1st angle	DUBOX
date	tolerances unless otherwise specified	ISO 1101	INCH/MM	SMT DOUBLE ROW
	angles	linea	scale 1:1	VCC ASSEMBLY
	0°±2°	XXX±.005/XXX±.13		dwg no 68046
	dr J. SHREINER	11/07/90		sheet 5 of 5 size A3
	engr M. HAHN	11/07/90		Product Customer Drawing
	chr M. HAHN	11/07/90		
	appd M. HAHN	11/07/90		
sheet index	revision	sheet		

