

PRODUCT NUMBER

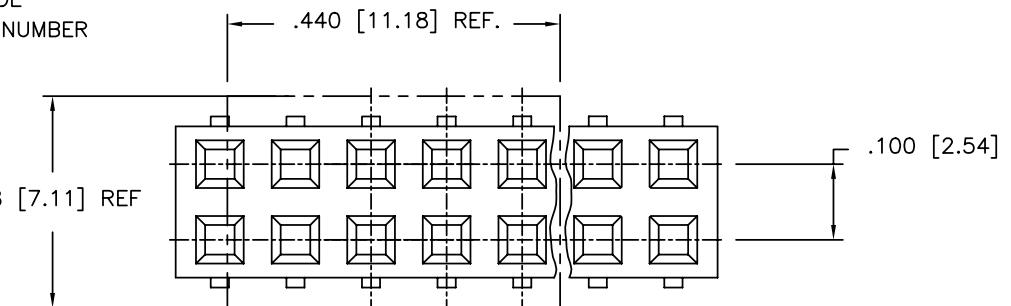
SEE TABLE

68046 - XXX - LF

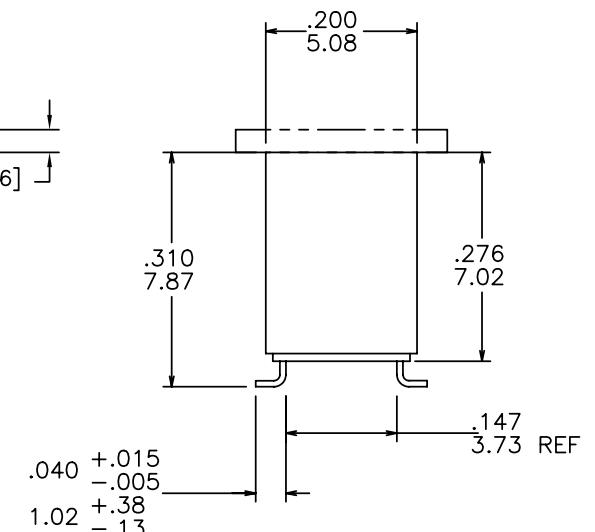
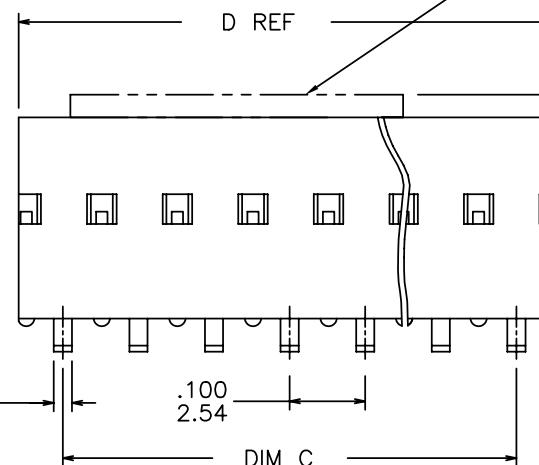
LEAD FREE OPTION
PACKAGING OPTION NOTE 6.0MIT IF NOT REQUIRED
NO OF POSITIONS PER ROW
PLATING CODE
BASE PART NUMBER

.440 [11.18] REF.

.28 [7.11] REF



VACUUM CAP FOR
TAPE & REEL PACKAGING
OPTION. NOTE 8



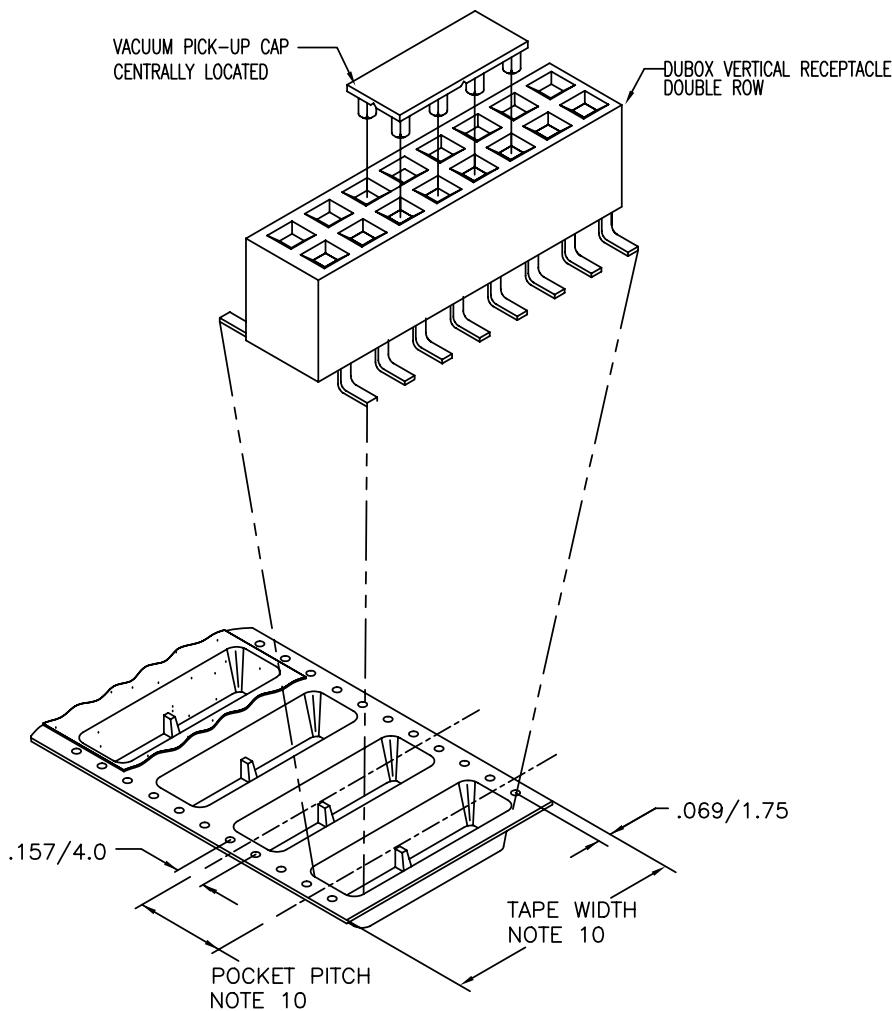
mat'l. code			surface	tolerance	projection	product family
ltr	ecn	nodr	ISD 1302	ISO 406 ISO 1101	unless otherwise specified	DUBOX
AV	N-005264	SH 2011-8-23			XX±.01/XX±.3	
AN	V04-0986	DAI 10/13/04	angles	XXXX.005/XXXX.13		
AP	V04-1003	DAI 10/25/04	linear	XXXX.0020/XXXX.05		
AR	V05-0463	DPU 06/28/05	dr.	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	oppd	M. HAHN	11/07/90	
sheet			revision	AV	AV	product
index			AV	AV	AV	customer
1	2	3	4	5		drawing



SMT DOUBLE ROW
VCC ASSEMBLY

dwg no sheet 1 of 5 size
68046 A3

type Product Customer Drawing



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-VO.
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			
ltr	ecn	ndr	ISO 1302 ✓	ISO 406 ISO 1101	DUBOX			
date			tolerances unless otherwise specified		title			
AV			angles					
			lined					
			0°±2°					
			0.003±0.005/0.003±0.005		scale 1:1			
			0.003±0.020/0.003±0.05					
			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								
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	
↑ -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

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mat'l. code			surface	tolerance	projection	product family	
			ISO 1302	✓	ISO 406 ISO 1101	DUBOX	
ltr	ecn	ndr	date	tolerances unless otherwise specified			
AV				XX±.01/XX.3	INCH/MM	title SMT DOUBLE ROW VCC ASSEMBLY	
				angles lined 0°±2°	XXX±.005/XXX.13		
					XXX±.020/XXX.05		
				scale 1:1	dwg no sheet # of 5 size		
			dr	J. SHREINER	11/07/90	68046	A3
			engr	M. HAHN	11/07/90		
			chr	M. HAHN	11/07/90		
			appd	M. HAHN	11/07/90		
sheet	revision						
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	
↑ -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
ltr	ecn	ndr	ISD 1302 ✓		ISD 406	ISD 101		DUBOX
			tolerances unless otherwise specified					
			angles	linear	$\pm 0.01/\pm 3$	$\pm 0.005/\pm 13$	INCH/MM	
					$0^\circ \pm 2^\circ$	$\pm 0.020/\pm 05$		
			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							
FCI								
dwg no sheet 5 of 5 size 68046 A3								
type Product Customer Drawing								