

PRODUCT NUMBER
SEE TABLE

68617-XXX-LF

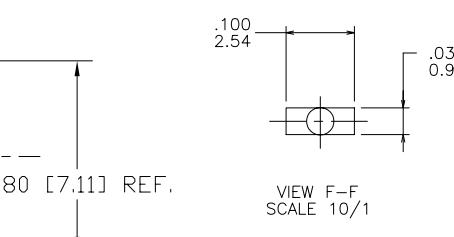
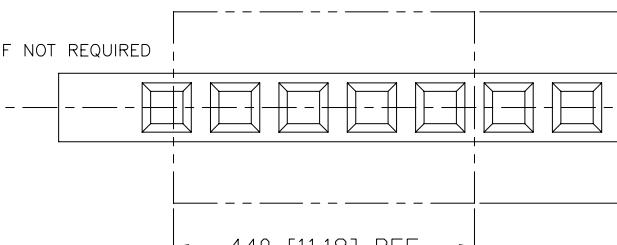
LEAD FREE OPTION

PACKAGING OPTION NOTE 10.0MIT IF NOT REQUIRED

NO OF POSITIONS PER ROW

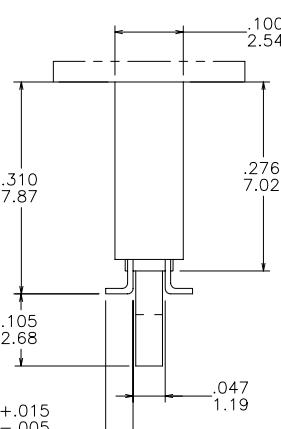
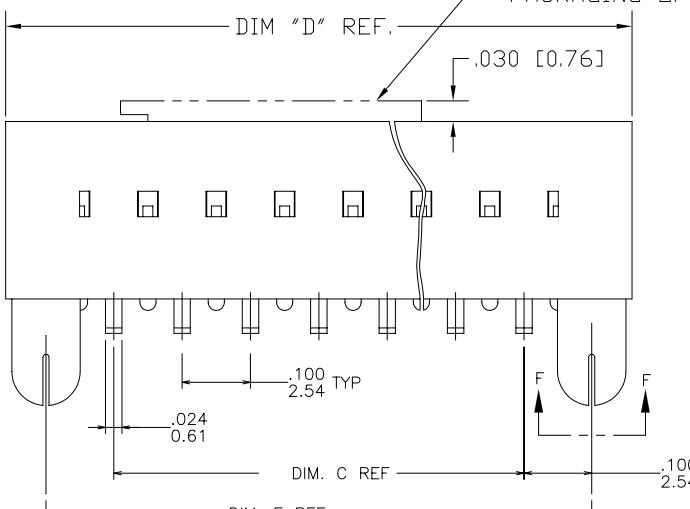
PLATING CODE

BASE PART NUMBER



VIEW F-F
SCALE 10/1

VACUUM CAP FOR TAPE & REEL
PACKAGING OPTION. SEE NOTE 7



mat'l. code				surface	tolerance	projection	product family
SEE NOTES 1, 3 & 8				ISO 1302 ✓	ISO 406 ISO 1101	INCH/MM	DUBOX
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 1:1	title
R	V20732	GIP	04/17/02	angles	.xx ±.01/.03		SMT SINGLE ROW
S	V21654	GIP	10/15/02	linear	.XXX ±.005/.013		LATCHED VCC ASSEMBLY
T	V03-0309	HTB	04/28/03	0°±2°	XXXX ±.0020/.0051		
U	V05-0463	DPU	06/28/05	dr.	J. SHREINER 10/07/90		
V	M06-0237	MN	06/17/06	engr	M. HAHN 10/07/90		
W	M06-0433	AGS	10/31/06	chr	M. HAHN 10/07/90		
X	M07-0198	MHT	4/24/07	appd	M. HAHN 10/07/90		
sheet	revision	x	x	x	x		
index	sheet	1	2	3	4		

PRODUCT NO.	
SEE TABLE	

NOTES:

- ① TERMINAL MATERIAL: PHOSPHOR BRONZE.
2. RECOMMENDED APPLICATION DATA:
 - A. RECOMMENDED SOLDER PAD PATTERN IS SHOWN IN FIG. A & B.
 - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACING WITHIN .015/0.38 DIA.
 - C. SUGGESTED MATING PIN LENGTH .210 ±.020/5.33±0.51.
- ③ HOUSING MATERIAL: FILLED P.P.S. COLOR: BLACK.
FLAME RETARDANT PER UL-94V-0.
COMPATIBLE WITH INFRA-RED SOLDERING.
THIS PART WILL WITHSTAND EXPOSURES TO 260°C
PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER,
INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- ④ PRESTAMPED POST PLATED TERMINALS.
- ⑤ FCI, FCI FINAL PART NUMBER AND DATE CODE
TO BE MARKED ON TUBE LABEL.
6. STANDARD PACKAGING PER BUS-14-097.
- ⑦ TAPE AND REEL PACKAGING PER GES-14-334.
- ⑧ TAPE AND REEL PACKAGING FOR 24mm WIDTH AND LESS WILL HAVE ONE PILOT HOLE ON TAPE, ABOVE 24mm WIDTH TAPE WILL HAVE PILOT HOLES ON BOTH SIDES.
- ⑨ VACUUM CAP MATERIAL: LCP
FLAME RETARDANT PER UL 94V-0.
VACUUM CAP P/N 71738-001
COLOR: BLACK
- ⑩ ADD SUFFIX "P" TO PART DASH NUMBER FOR TAPE & REEL PACKAGING.
EXAMPLE: 68617-XXXP
- ⑪ TAPE & REEL PACKAGING 44mm WIDE TAPE WITH 20mm POCKET PITCH.
- ⑫ TAPE & REEL PACKAGING 56mm WIDE TAPE WITH 20mm POCKET PITCH
- ⑬ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
14. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑯ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

mat'l. code SEE NOTES 1, 3 & 8				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection	product family DUBOX
ltr	ecn	no	dr	date	tolerances unless otherwise specified			title SMT SINGLE ROW LATCHED VCC ASSEMBLY
X					angles	linear	.xx ±.01/0.3 xxx ±.005/0.13 xxxx ±.0020/0.051	INCH/MM
					0°±2°			scale 1:1
					dr	J. SHREINER	10/07/90	
					engr	M. HAHN	10/07/90	
					chr	M. HAHN	10/07/90	
					appd	M. HAHN	10/07/90	
sheet index		revision sheet						

PRODUCT NO NOTE 13	PLATING CONTACT AREA NOTE 15	PLATING SOLDER TAIL	MATERIAL REF.
68617-2XX	15 μ "/.38u Au OR GXT MIN OVER 50 μ "/1.27u Ni MIN	100 μ "/160 μ " 2.54 μ /4.06 μ SN	NOTE 3 & 4
68617-3XX	30 μ "/.76u Au OR GXT MIN OVER 50 μ "/1.27u Ni MIN	100 μ "/160 μ " 2.54 μ /4.06 μ SN	NOTE 3 & 4
68617-6XX	30 μ "/.76u Au OR GXT MIN OVER 50 μ "/1.27u Ni MIN	100 μ "/160 μ " 2.54 μ /4.06 μ SN	NOTE 3 & 4
68617-8XX	30 μ "/.76u Au MIN OVER 50 μ "/1.27u Ni MIN	100 μ "/160 μ " 2.54 μ /4.06 μ SN	NOTE 3 & 4

OBSOLETE

A

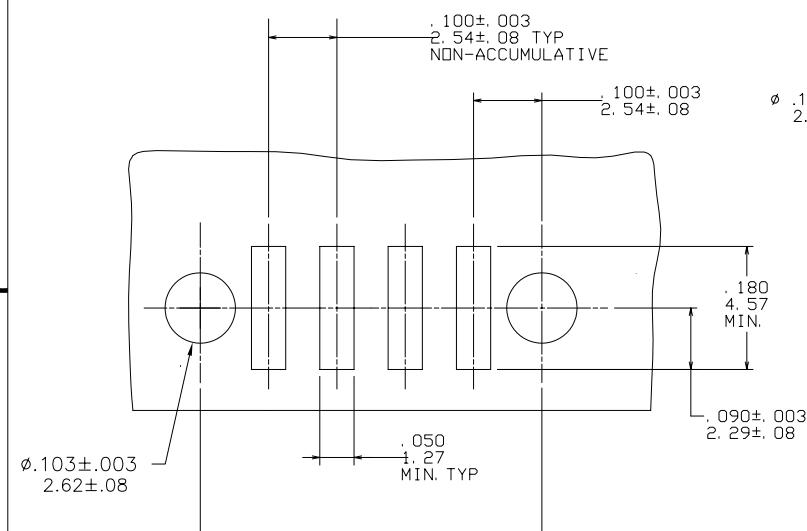


FIGURE A
TOP ENTRY
.025/.64 SQ PIN

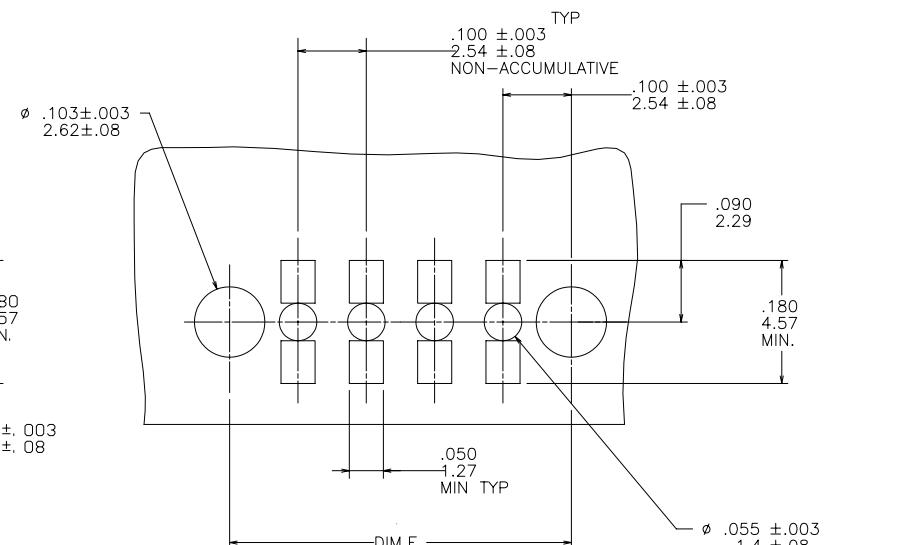


FIGURE B
BOTTOM ENTRY (THROUGH PWB)
.025/.64 SQ PIN

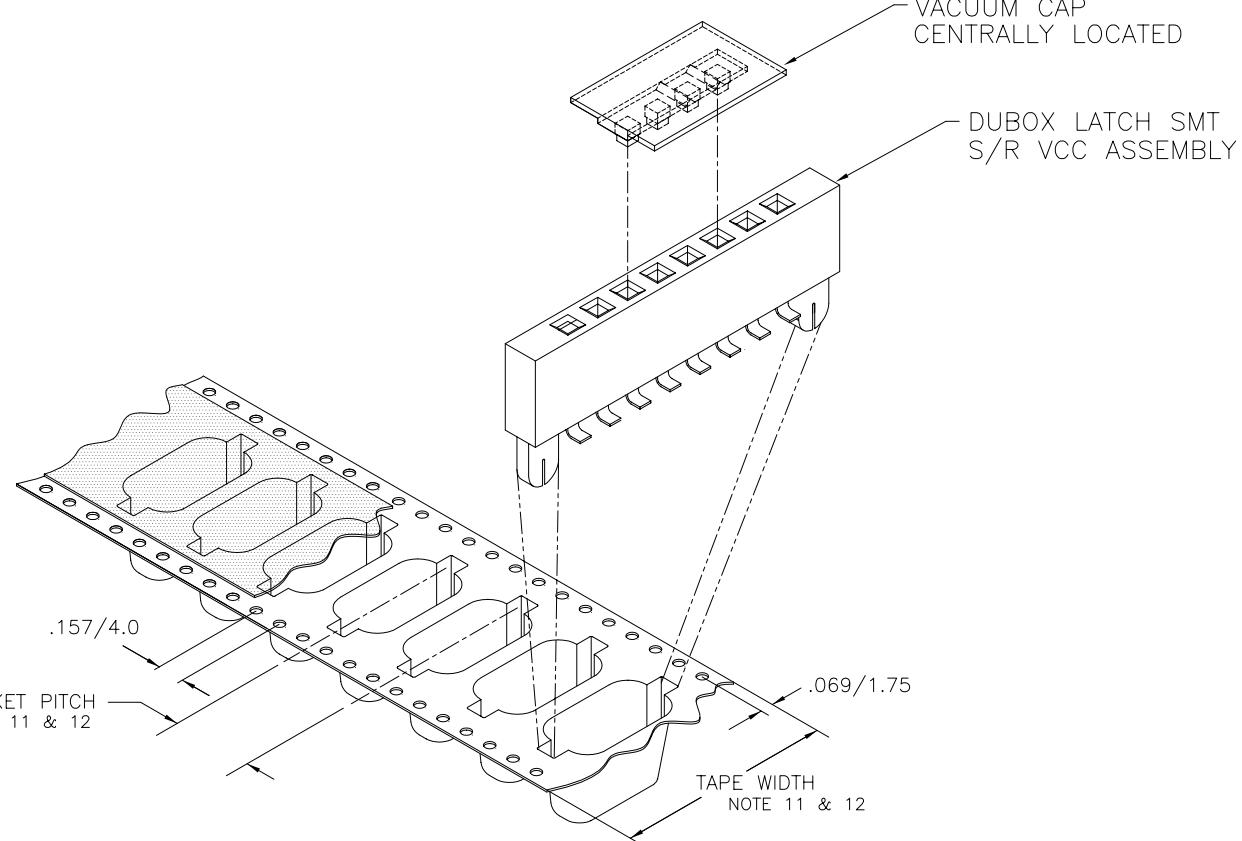
mat'l. code				surface		tolerance	projection	product family
ltr	ecn no	dr	date	ISO 1302		ISO 406 ISO 1101		title
X				angles	linear	.xx ±.01/.03 .xxx ±.005/.013 0°±2° .xxxx ±.0020/.051		DUBOX
				dr	J. SHREINER	10/07/90	INCH/MM	SMT SINGLE ROW
				engr	M. HAHN	10/07/90		LATCHED VCC ASSEMBLY
				chr	M. HAHN	10/07/90	scale 1:1	
				appd	M. HAHN	10/07/90		
				sheet	revision			
				index	sheet			



68617 A3

PRODUCT NO.
SEE TABLE

1 | 2 3 | 4 | 5 | 6



TAPE AND REEL PACKAGING ONLY

mat'l. code				surface		tolerance	projection	product family
Itr	ecn	no	dr	ISO 1302		ISO 406 ISO 1101		DUBOX
X				angles	linear	.xx ±.01/0.3 .xxx ±.005/0.13 xxxx ±.0020/0.051	INCH/MM	
				0°±2°				
				dr	J. SHREINER	10/07/90	scale 1:1	
				engr	M. HAHN	10/07/90		
				chr	M. HAHN	10/07/90		
				appd	M. HAHN	10/07/90		
sheet		revision						
index		sheet						

form: A3

1 | 2 | 3 | 4 | 5 | 6



PRODUCT NO NOTE 13	NO. OF POS.	DIM C	DIM D	DIM E	TAPE & REEL PACKAGING	LF OPTION	1	2	3	4	5	6
							1	2	3	4	5	6
68617-Y02	1 X 2	.100/2.54	.417/10.59	.300/7.62	NO							
-Y03	1 X 3	.200/5.08	.517/13.13	.400/10.16	NO							
-Y04	1 X 4	.300/7.62	.617/15.67	.500/12.70	NO							
-Y05	1 X 5	.400/10.16	.717/18.21	.600/15.24	NO							
-Y06	1 X 6	.500/12.70	.817/20.75	.700/17.78	NO							
-Y07	1 X 7	.600/15.24	.917/23.29	.800/20.32	NO							
-Y08	1 X 8	.700/17.78	1.017/25.83	.900/22.86	NO							
-Y09	1 X 9	.800/20.32	1.117/28.37	1.000/25.40	NO							
-Y10	1 X 10	.900/22.86	1.217/30.91	1.100/27.94	NO							
-Y11	1 X 11	1.000/25.40	1.317/33.45	1.200/30.48	NO							
-Y12	1 X 12	1.100/27.94	1.417/35.99	1.300/33.02	NO							
-Y13	1 X 13	1.200/30.48	1.517/38.53	1.400/35.56	NO							
-Y14	1 X 14	1.300/33.02	1.617/41.07	1.500/38.10	NO							
-Y15	1 X 15	1.400/35.56	1.717/43.61	1.600/40.64	NO							
-Y16	1 X 16	1.500/38.10	1.817/46.15	1.700/43.18	NO							
-Y17	1 X 17	1.600/40.64	1.917/48.69	1.800/45.72	NO							
-Y18	1 X 18	1.700/43.18	2.017/51.23	1.900/48.26	NO							
-Y19	1 X 19	1.800/45.72	2.117/53.77	2.000/50.80	NO							
-Y20	1 X 20	1.900/48.26	2.217/56.31	2.100/53.34	NO							
-Y21	1 X 21	2.000/50.80	2.317/58.85	2.200/55.08	NO							
-Y22	1 X 22	2.100/53.34	2.417/61.39	2.300/58.42	NO							
-Y23	1 X 23	2.200/55.88	2.517/63.93	2.400/60.96	NO							
-Y24	1 X 24	2.300/58.42	2.617/66.47	2.500/63.50	NO							
-Y25	1 X 25	2.400/60.96	2.717/69.01	2.600/66.04	NO							
-Y26 THRU -Y50					NO							
-Y07P	1 X 7	.600/15.24	.917/23.29	.800/20.32	YES							
-Y08P	1 X 8	0.700/17.78	1.017/25.83	0.900/22.86	YES							
-Y09P	1 X 9	.800/20.32	1.117/28.37	1.000/25.40	YES							
68617-Y12P	1 X 12	1.100/27.94	1.417/35.99	1.300/33.02	YES							

mat'l. code -		surface ISO 1302		tolerance ISO 406 ISO 1101	projection	product family DUBOX				
ltr	ecn	no	dr	date	tolerances unless otherwise specified					
X					xx ±01/0.3	INCH/MM	SMT SINGLE ROW LATCHED VCC ASSEMBLY			
					xxx ±.005/.013					
					xxxxx ±.0020/.0051	scale 1:1				
			dr	J. SHREINER	10/07/90	dwg no	sheet 5 of 5	size		
			engr	M. HAHN	10/07/90					
			chr	M. HAHN	10/07/90				68617	A3
			appd	M. HAHN	10/07/90				type	Product
sheet	revision									
index	sheet									