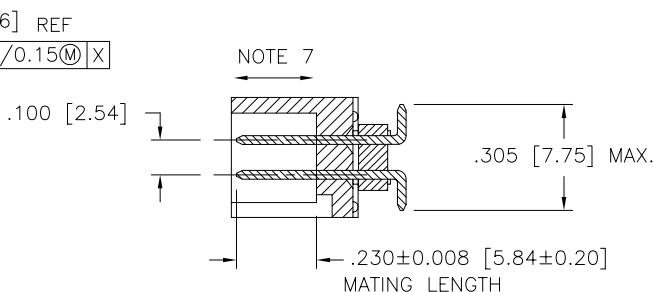
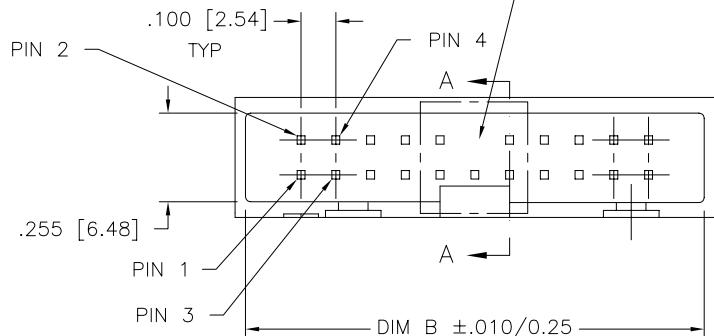
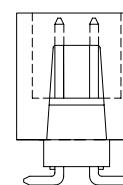
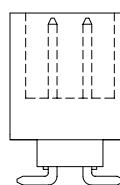
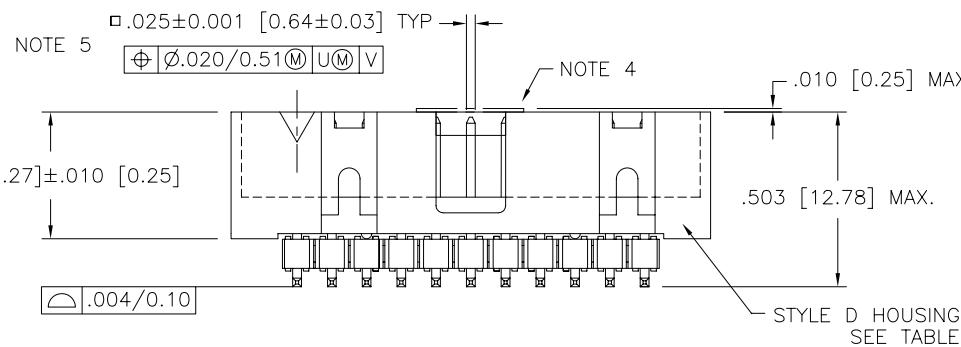


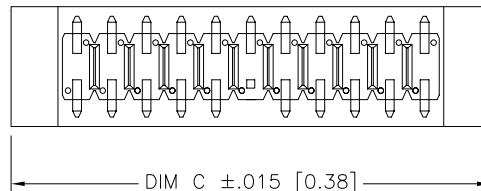
PRODUCT NO
SEE TABLE



SECTION A-A



w/ WINDOW OPTION
SEE TABLE



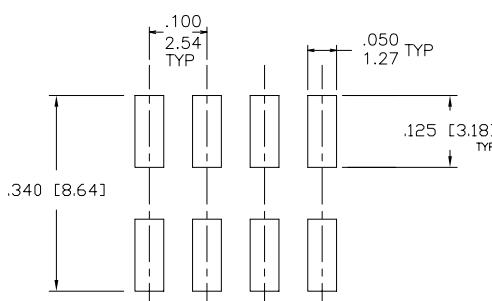
DRAWN WITHOUT WINDOW OPTION

mat'l. code SEE NOTES 1 & 2			surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified		
V	V12697	GIP	12/20/01	angles .XX±.01/.3	INCH/MM	
W	V20439	GIP	3/05/02	linear .XXX±.005/.13		
X	V21301	GIP	6/17/02	.XXXX±.0020/.051 0°±2°	scale 1:1	
Y	V03-0476	DAI	6/17/03	dr E. KROPWIENICKI 8/21/96		
AA	M05-0086	ERE	9/28/05	engr L. FYE 8/21/96		
AB	M06-0269	MNR	7/17/06	chr T. BREWBAKER 8/21/96		
AC	M06-0354	MHT	9/08/06	appdT. BREWBAKER 8/21/96		
sheet	revision	AC	AC	AC		
index	sheet	1	2	3	4	

1	2	3	4	5	6
PRODUCT NO SEE TABLE	PLATING CODE	CONTACT AREA PLATING	SOLDER TAIL PLATING		
	AA	30u"/.76u AU OVER 50u"/1.27u Ni	100u"/2.54u TIN OVER 50u"/1.27u Ni		
	4	100u"/3.05u Sn OVER 50u"/1.27u Ni	100u"/3.05u Sn OVER 50u"/1.27u Ni		

LEAD FREE PLATING	AA	30u"/.76u AU OVER 50u"/1.27u Ni	100u"/2.54u TIN OVER 50u"/1.27u Ni
	4	100u"/3.05u Sn OVER 50u"/1.27u Ni	100u"/3.05u Sn OVER 50u"/1.27u Ni

NOTE 11

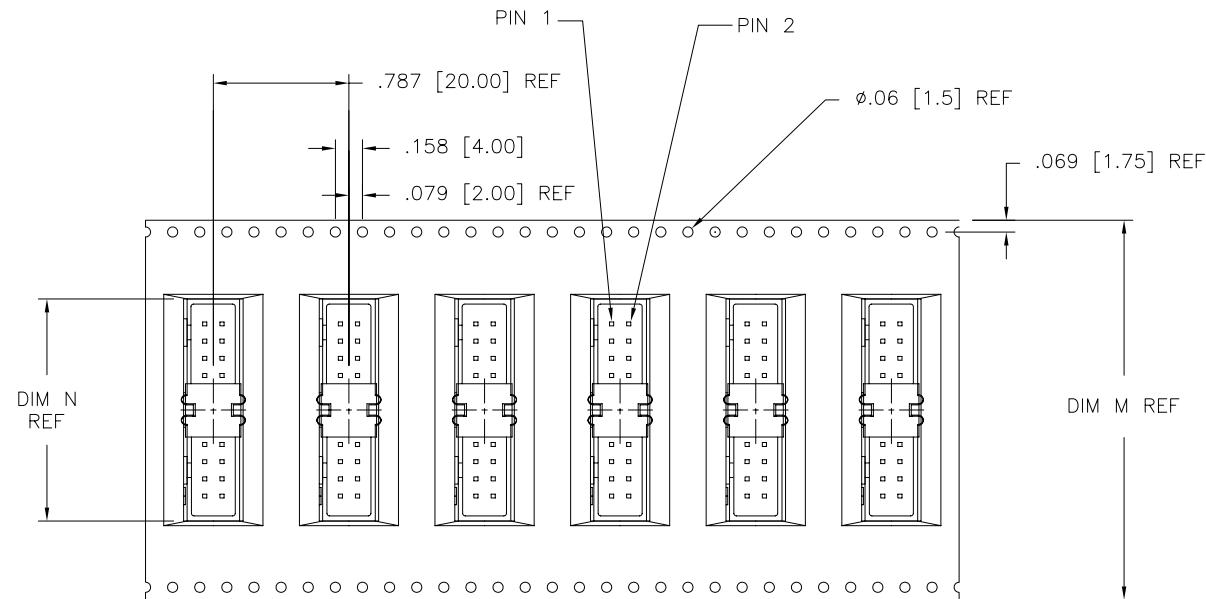


NOTES:

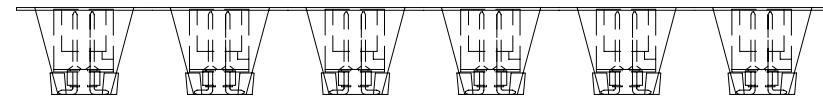
1. BODY MATERIAL: PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.
COLOR: BLACK
2. PIN MATERIAL: PHOS-BRONZE.
3. PINS DELETED FROM SPECIFIED LOCATIONS FOR POLARIZATION.
SEE TABLE FOR LOCATIONS.
4. PACKAGING OPTIONS: CHECK SPECIFIC PART NUMBERS FOR AVAILABILITY.
PART NUMBERS WITHOUT A SUFFIX ARE PACKAGED IN TRAYS.
PART NUMBERS FOLLOWED BY A "V" SUFFIX ARE PACKAGED
TAPE-ON-REEL WITH A PICK-UP CAP INSTALLED. VACUUM CAP TO BE
CENTRALLY LOCATED REGARDLESS OF NUMBER OF POSITIONS.
PART NUMBERS FOLLOWED BY A "B" SUFFIX ARE
ASSEMBLED WITH VACUUM PICK-UP CAPS
INSTALLED AND PACKAGED IN TRAYS
5. MEASURED WITH PART IN RESTRAINED CONDITION.
6. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS (SIMPLEX PLATING ONLY).
7. 2 LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
8. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
10. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.
11. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

mat'l. code SEE NOTES 1 & 2		surface ISO 1302		tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified		
AC				angles .XX±.01/.3 linear .XXX±.005/.13	INCH/MM	
				0°±2° .XXXX±.0020/.051	scale 1:1	
				dr E. KROPIENICKI 8/21/96		
				engr L. FYE 8/21/96		
				chr T. BREWBAKER 8/21/96		
				appd T. BREWBAKER 8/21/96		
		sheet	revision			
		index	sheet			

PRODUCT NO
SEE TABLE

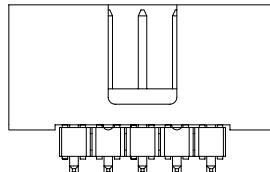


UN-REELING DIRECTION OF FEED

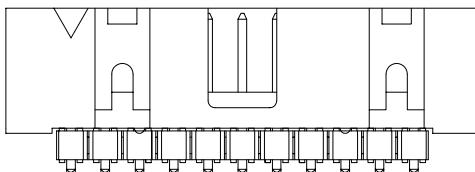


mat'l. code				surface		tolerance	projection	product family
				ISO 1302		ISO 406 ISO 1101		BERGSTIK
ltr	ecn	no	dr	tolerances unless otherwise specified				title
AC				angles		.XX±.01/.3	INCH/MM	BERGSTIK® II HDR. D/R
				linear		.XXX±.005/.13		SLIMLINE SMT ASSEMBLY
				0°±2°		.XXXX±.0020/.051	scale 1:1	
				dr	T. BREWBAKER	5/18/98		
				engr	M.SMYK	5/18/98		
				chr	M.SMYK	5/18/98		
				appd	M.SMYK	5/18/98		
				sheet	revision			
				index	sheet			

												1	2 3						6
PRODUCT NUMBER	NO. OF POSITIONS	DIM B	DIM C	STYLE	POLARIZED POSITION	WINDOW OPTION	PLATING CODE	PACKAGING	TAPE WIDTH DIM M		POCKET DEPTH	DIM N	LEAD FREE OPTION						
72454-008	2 X 4	.610/15.50	.690/15.33	A	—	N	AA	TRAY	—		—	—	NOTE 8,9						
72454-010	2 X 5	.710/18.03	.790/20.07	A	—	N	AA	TRAY	—		—	—							
72454-010V	2 X 5	.710/18.03	.790/20.07	A	—	N	AA	TAPE ON REEL	1.260/32.00		.515/13.08	.790/20.07							
72454-014	2 X 7	.910/23.11	.99/25.2	D	—	N	AA	TRAY	—		—	—							
72454-016	2 X 8	1.010/25.65	1.090/27.69	D	—	N	AA	TRAY	—		—	—							
72454-016V	2 X 8	1.010/25.65	1.090/27.69	D	—	N	AA	TAPE ON REEL	1.732/44.00		.515/13.08	1.090/27.69							
72454-020	2 X 10	1.210/30.73	1.290/32.77	D	—	N	AA	TRAY	—		—	—							
72454-020V	2 X 10	1.210/30.73	1.290/32.77	D	—	N	AA	TAPE-ON-REEL	2.205/56.00		.505/12.83	1.290/32.77							
72454-021	2 X 11	1.310/33.27	1.390/35.31	D	12	N	AA	TRAY	—		—	—							
72454-022	2 X 11	1.310/33.27	1.390/35.31	D	—	N	AA	TRAY	—		—	—							
72454-024	2 X 12	1.410/35.81	1.490/37.9	D	—	N	AA	—	—		—	—							
72454-024V	2 X 12	1.410/35.81	1.490/37.9	D	—	N	AA	TAPE-ON-REEL	2.205/56.00		.515/13.08	1.490/37.85							
72454-026	2 X 13	1.510/38.35	1.590/40.39	D	—	N	AA	TRAY	—		—	—							
72454-030	2 X 15	1.710/43.43	1.790/45.47	D	—	N	AA	TRAY	—		—	—							
72454-034	2 X 17	1.910/48.51	1.990/50.60	D	—	N	AA	TRAY	—		—	—							
72454-040	2 X 20	2.210/56.13	2.290/58.17	D	—	N	4	TRAY	—		—	—							
72454-041	2 X 20	2.210/56.13	2.290/58.17	D	—	N	AA	TRAY	—		—	—							
72454-044	2 X 22	2.410/61.21	2.490/63.25	D	—	N	AA	TRAY	—		—	—							
72454-050	2 X 25	2.710/68.83	2.790/70.87	D	—	N	AA	TRAY	—		—	—							
72454-051	2 X 10	1.210/30.73	1.290/32.77	D	—	Y	AA	TRAY	—		—	—							
72454-051V	2 X 10	1.210/30.73	1.290/32.77	D	—	Y	AA	TAPE-ON-REEL	2.205/56.00		.505/12.83	1.290/32.77							
72454-052	2 X 20	2.210/56.13	2.290/58.17	D	20	N	AA	TRAY	—		—	—							
72454-053V	2 X 5	0.710/18.03	0.790/20.07	A	9	N	AA	TAPE ON REEL	1.260/32.00		.515/13.08	.790/20.07							



5 POSITION
2 X 5, STYLE A



2 x 8 AND LARGER, STYLE D

mat'l. code		surface		tolerance	projection	product family			
Itr		ecn	no	dr	date	ISO 1302	ISO 406	ISO 1101	
AC						angles	XX±.01/.3		
						linear	XXX±.005/.13		
						0°±2°	XXXX±.0020/.051		
						dr	T. BREWBAKER	5/18/98	scale 1:1
						engr	M. SMYK	5/18/98	
						chr	M. SMYK	5/18/98	
						appd	M. SMYK	5/18/98	
						sheet	revision		
						index	sheet		