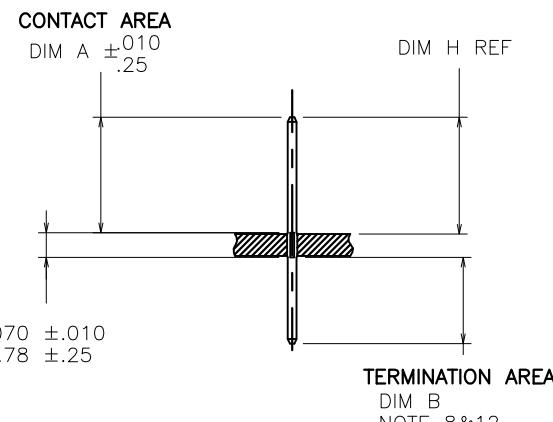
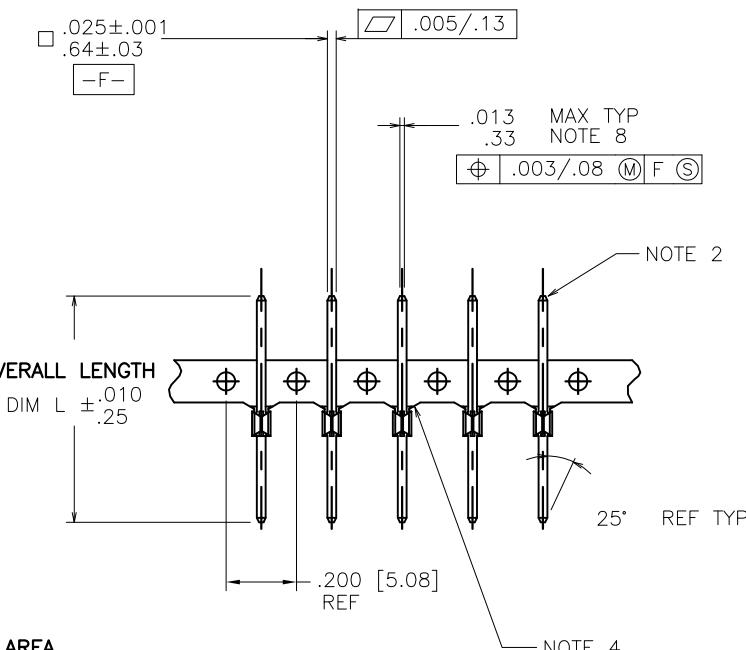
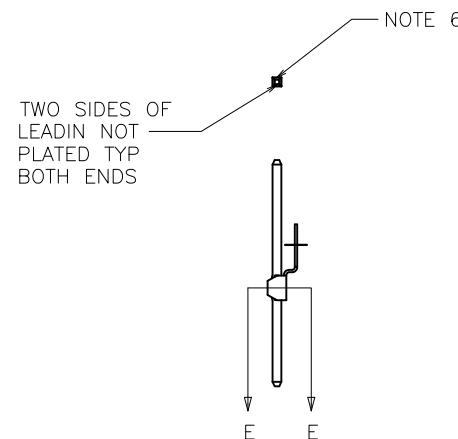


1 2 3 4

PRODUCT NUMBER
SEE TABLE


SECTION THRU PC BOARD

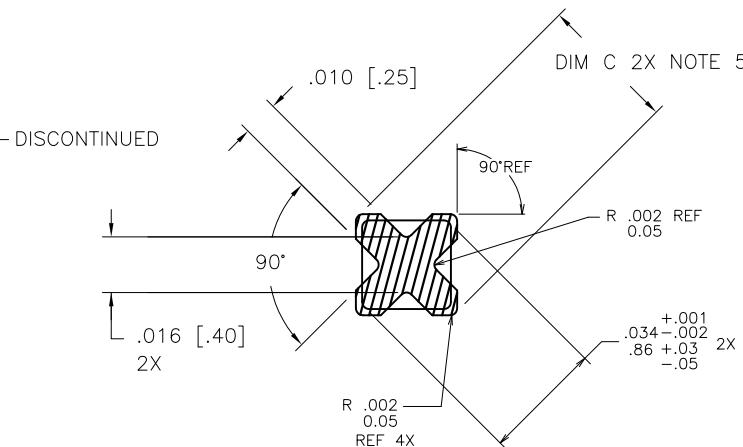


mat'l. code SEE NOTE 1				surface	tolerance	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
BC	V08-0353	HTB	2008-08-14	XX+.01X-.3		INCH/MM	BERGPIN® .200"[5.08]cc
BD	V08-0496	HTB	2008-11-12	XXX+.005/XXX-.13			.039"[0.99] DIA. STAR
BE	V10-0386	HTB	2010-10-20	0° ±2°	XXXX+.0020/XXXX-.051	scale 1:1	
-	-	-	-	dr	M. CORNMAN	1990-02-22	
AY	V01279	LSS	2000-05-25	engr	K.D. PATEL	1990-02-22	
BA	V05-0399	HTB	2005-04-28	chr	E. IORFIDO	1992-12-21	
BB	V06-0684	HTB	2006-07-21	appd	E. IORFIDO	1992-12-21	
sheet	revision	BE	BE	BE	BE		
index	sheet	1	2	3	4	5	

PRODUCT NUMBER NOTE 14	PLATING	UNDERPLATING
75401-YYY	$30\mu"$ [0.76 μ] MIN Au	$50\mu"$ [1.27 μ] MIN Ni
75401-YYLF		
75403-YYY	$50\mu"$ [1.27 μ] MIN Au	$50\mu"$ [1.27 μ] MIN Ni
75403-YYLF		
75404-YYY	$120\mu"$ [3.05 μ] MIN 93/7 SnPb	$50\mu"$ [1.27 μ] MIN Ni
75404-YYLF	$100\mu"$ [2.54 μ] MIN Sn (NOTE 15)	$50\mu"$ [1.27 μ] MIN Ni
75405-YYY	$30\mu"$ [0.76 μ] MIN GXT™	$50\mu"$ [1.27 μ] MIN Ni
75405-YYLF		
75406-YYY	$15\mu"$ [0.38 μ] MIN GXT™	$50\mu"$ [1.27 μ] MIN Ni
75406-YYLF		
75409-YYY	$15\mu"$ [0.38 μ] MIN Au	$50\mu"$ [1.27 μ] MIN Ni
75409-YYLF		

NOTES:

1. PIN MATERIAL: PHOS-BRONZE 3/4 HARD ASTM B-159-66.
2. BURNISH MARKS ON PIN PERMITTED. BURR .003 [0.08] MAX TYP BULGE .0005 [0.013] MAX TYP.
3. SEE PRODUCT SPECIFICATION BUS-12-064 FOR P.C. BOARD HOLE DIAMETER AND P.C. BOARD HOLE PLATING INFORMATION.
4. FOR MANUFACTURING PURPOSES ONLY.
5. THE .039+.001,−.002 [0.99+.03,−.05] FEATURE SHALL BE CONCENTRIC TO THE WIRE DIAGONAL WITHIN .004 [0.10] TIR.
6. .002 [0.05] R MAX TYP 4 PLACES ON WIRE WRAP PORTION OF PIN.
7. USE FIRST TWO DIGITS OF "H" DIMENSION FOR DASH NUMBER OF PUNCH FROM MACHINE EPL;
EXAMPLE: PUNCH P/N FROM EPL
75402-001 "H" .062 [1.57]. BD,=.235 BP161A-XXXXXX-023
BP151 -YYYYYY-023
BP171 -ZZZZZZ-023
8. IF "B" DIM. IS .235 [5.96] OR LESS, THE MAX. FLAT MAY BE .016 [0.41].
9. TOLERANCE: +.001 [0.03],−.002 [0.05].
10. TOLERANCE: ±.001 [0.03].
11. NOT RECOMMENDED FOR BP 161 STYLE MACHINES.
12. IF DIMENSION B IS LESS THAN .030 [0.76], THE MAX FLAT MAY BE .016 [0.41] REF WITH .010 [0.25] LONG LEAD-IN ANGLES.



SCALE 10/1
WITHOUT FERRULE

13. CENTER LINE OF TERMINAL MUST BE IN A TRUE POSITION WITHIN .015 [0.38] DIA. WITH RESPECT TO THE HOLE AXIS AFTER INSERTION IN PC BOARD.
14. ADD AN LF SUFFIX TO PART NUMBERS FOR PRODUCT THAT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
15. 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 NOTE 1				surface ASME Y14.5	tolerance ASME Y14.5	projection	product family PIN PRODUCTS
ltr	ecn no	dr	date	tolerances unless otherwise specified			
BE				angles	XX+.01X+.3 XXX+.005/XXX+.13	INCH/MM	title BERGPIN® .200" [5.08]cc .039" [0.99] DIA. STAR
				0° ±2°	XXX+.020/XXX+.051	scale 1:1	
				dr	M. CORNMAN 1990-02-22		
				engr	K.D. PATEL 1990-02-22		
				chr	E. IORFIDO 1992-12-21		
				appd	E. IORFIDO 1992-12-21		
sheet	revision						
index	sheet						

dwg no sheet 2 of 5 size
75401 A4
type CUSTOMER Drawing

PRODUCT NUMBER NOTE 14	CONTACT AREA DIM A	TERMINATION AREA DIM B	DIM C	DIM H FOR .062 BOARD 1.57	DIM H FOR .093 BOARD 2.36	DIM H FOR .125 BOARD 3.18	OVERALL LENGTH DIM L	CUSTOMER RESTRICTED
7540X-001	.230/5.84	.045/1.14	.039/.99 NOTE 9	.235/5.97	.220/5.59	.205/5.21	.345/8.76	NO
7540X-002	.265/6.73	.045/1.14	.039/.99 NOTE 9	.270/6.86	.255/6.48	.240/6.10	.380/9.65	NO
7540X-003	.345/8.76	.045/1.14	.039/.99 NOTE 9	.350/8.89	.335/8.51	.320/8.13	.460/11.68	NO
7540X-004	.400/10.16	.045/1.14	.039/.99 NOTE 9	.405/10.29	.390/9.91	.375/9.53	.515/13.08	NO
7540X-005	.415/10.54	.045/1.14	.039/.99 NOTE 9	.420/10.67	.405/10.29	.390/9.91	.530/13.46	NO
7540X-006	.435/11.05	.045/1.14	.039/.99 NOTE 9	.440/11.18	.425/10.80	.410/10.41	.550/13.97	NO
7540X-007	.465/11.81	.045/1.14	.039/.99 NOTE 9	.470/11.94	.455/11.56	.440/11.18	.580/14.73	NO
7540X-008	.515/13.08	.045/1.14	.039/.99 NOTE 9	.520/13.21	.505/12.83	.490/12.45	.630/16.00	NO
7540X-009	.570/14.48	.045/1.14	.039/.99 NOTE 9	.575/14.61	.560/14.22	.545/13.84	.685/17.40	NO
7540X-010	.585/14.86	.045/1.14	.039/.99 NOTE 9	.590/14.99	.575/14.61	.560/14.22	.700/17.78	NO
7540X-011	.635/16.13	.045/1.14	.039/.99 NOTE 9	.640/16.26	.625/15.88	.610/15.49	.750/19.05	NO
7540X-012	.655/16.64	.045/1.14	.039/.99 NOTE 9	.660/16.76	.645/16.38	.630/16.00	.770/19.56	NO
7540X-013	.745/18.92	.045/1.14	.039/.99 NOTE 9	.750/19.05	.735/18.67	.720/18.29	.860/21.84	NO
7540X-014	.265/6.73	.245/6.22	.039/.99 NOTE 9	.270/6.86	.255/6.48	.240/6.10	.580/14.73	NO
7540X-015	.345/8.76	.245/6.22	.039/.99 NOTE 9	.350/8.89	.335/8.51	.320/8.13	.660/16.76	NO
7540X-016	.400/10.16	.245/6.22	.039/.99 NOTE 9	.405/10.29	.390/9.91	.375/9.53	.715/18.16	NO
7540X-017	.465/11.81	.245/6.22	.039/.99 NOTE 9	.470/11.94	.455/11.56	.440/11.18	.780/19.81	NO
7540X-018	.570/14.48	.245/6.22	.039/.99 NOTE 9	.575/14.61	.560/14.22	.545/13.84	.885/22.48	NO
7540X-019	.625/15.88	.245/6.22	.039/.99 NOTE 9	.630/16.00	.615/15.62	.600/15.24	.940/23.88	NO
7540X-020	.655/16.64	.245/6.22	.039/.99 NOTE 9	.660/16.76	.645/16.38	.630/16.00	.970/24.64	NO
7540X-021	.265/6.73	.355/9.02	.039/.99 NOTE 9	.270/6.86	.255/6.48	.240/6.10	.690/17.53	NO
7540X-022	.345/8.76	.355/9.02	.039/.99 NOTE 9	.350/8.89	.335/8.51	.320/8.13	.770/19.56	NO
7540X-023	.400/10.16	.355/9.02	.039/.99 NOTE 9	.405/10.29	.390/9.91	.375/9.53	.825/20.96	NO
7540X-024	.465/11.81	.355/9.02	.039/.99 NOTE 9	.470/11.94	.455/11.56	.440/11.18	.890/22.61	NO
7540X-025	.570/14.48	.355/9.02	.039/.99 NOTE 9	.575/14.61	.560/14.22	.545/13.84	.995/25.27	NO
7540X-026	.625/15.88	.355/9.02	.039/.99 NOTE 9	.630/16.00	.615/15.62	.600/15.24	1.050/26.67	NO
7540X-027	.655/16.64	.355/9.02	.039/.99 NOTE 9	.660/16.76	.645/16.38	.630/16.00	1.080/27.43	NO
7540X-028	.305/7.75	.035/0.89	.039/.99 NOTE 9	.310/7.87	.295/7.49	.280/7.11	.410/10.41	NO
7540X-029	.755/19.18	.345/8.76	.039/.99 NOTE 9	.760/19.30	.745/18.92	.730/18.54	1.170/29.72	NO
7540X-030	.710/18.03	.345/8.76	.039/.99 NOTE 9	.715/18.16	.700/17.78	.685/17.40	1.125/28.58	NO
7540X-031	.545/13.84	.198/5.03	.039/.99 NOTE 9	.550/13.97	.535/13.59	.520/13.21	.813/20.65	NO
7540X-032								
7540X-033	.335/8.51	.375/9.53	.039/.99 NOTE 9	.340/8.64	.325/8.26	.310/7.87	.780/19.81	NO
7540X-034	.535/13.59	.045/1.14	.039/.99 NOTE 9	.540/13.72	.525/13.34	.510/12.95	.650/16.51	NO
7540X-035	.560/14.22	.260/6.60	.039/.99 NOTE 9	.565/14.35	.550/13.97	.535/13.59	.890/22.61	NO

DISCONTINUED

mat'l. code SEE NOTE 1	surface ASME Y14.5	tolerance ASME Y14.5	projection	product family PIN PRODUCTS
ltr	ecn no	dr	date	tolerances unless otherwise specified
BE				XX+01XX+3 XXX+005/XXX+13
				INCH/MM
				XXX+0020/XXX+051
				scale 1:1
			dr	M. CORNMAN 1990-02-22
			engr	K.D. PATEL 1990-02-22
			chr	E. IORFIDO 1992-12-21
			appd	E. IORFIDO 1992-12-21
sheet	revision			
index	sheet			



75401

A4

dwg no sheet 3 of 5 size

PRODUCT NUMBER NOTE 14	CONTACT AREA DIM A	TERMINATION AREA DIM B	DIM C	DIM H FOR .062 1.57 BOARD	DIM H FOR .093 2.36 BOARD	DIM H FOR .125 3.18 BOARD	OVERALL LENGTH DIM L	CUSTOMER RESTRICTED
7540X-036	.510/12.95	.381/9.68	.039/.99 NOTE 9	.515/13.08	.500/12.70	.485/12.32	.961/24.41	NO
7540X-037	.325/8.26	.101/2.57	.039/.99 NOTE 9	.330/8.38	.315/8.00	.300/7.62	.496/12.60	NO
7540X-038	.595/15.11	.330/8.38	.039/.99 NOTE 9	.600/15.24	.585/14.86	.570/14.48	.995/25.27	NO
7540X-039	.755/19.18	.065/1.65	.039/.99 NOTE 9	.760/19.30	.745/18.92	.730/18.54	.890/22.61	NO
7540X-040	.315/8.00	.395/10.03	.039/.99 NOTE 9	.320/8.13	.305/7.75	.290/7.37	.780/19.81	NO
7540X-041	.230/5.84	.080/2.03	.039/.99 NOTE 9	.235/5.97	.220/5.59	.205/5.21	.380/9.65	NO
7540X-042	.870/22.10	.045/1.14	.039/.99 NOTE 9	.875/22.23	.860/21.84	.845/21.46	.985/25.02	NO
7540X-043	.504/12.80	.329/8.36	.039/.99 NOTE 9	.509/12.80	.494/12.55	.479/12.17	.900/22.86	NO
7540X-044	.324/8.23	.056/1.42	.039/.99 NOTE 9	.329/8.36	.314/7.98	.299/7.60	.450/11.43	NO
7540X-045	.499/12.68	.056/1.42	.039/.99 NOTE 9	.504/12.80	.489/12.42	.474/12.04	.625/15.88	NO
7540X-046	.430/10.92	.535/13.59	.039/.99 NOTE 9	.435/11.05	.420/10.67	.405/10.29	1.035/26.29	NO
7540X-047	.375/9.53	.070/1.78	.039/.99 NOTE 9	.380/9.65	.365/9.27	.350/8.89	.515/13.08	NO
7540X-048	.375/9.53	.275/6.99	.039/.99 NOTE 9	.380/9.68	.365/9.27	.350/8.89	.720/18.29	NO
7540X-049	.545/13.84	.070/1.78	.039/.99 NOTE 9	.550/13.97	.535/13.59	.520/13.21	.685/17.40	NO
7540X-050	.313/7.95	.317/8.05	.039/.99 NOTE 9	.318/8.08	.303/7.70	.288/7.32	.700/17.78	NO
7540X-051	.320/8.13	.045/1.14	.039/.99 NOTE 9	.325/8.26	.310/7.87	.295/7.49	.435/11.05	NO
7540X-052	.620/15.75	.590/14.99	.039/.99 NOTE 9	.625/15.88	.610/15.49	.595/15.11	1.280/32.51	NO
7540X-053	.245/6.22	.045/1.14	.039/.99 NOTE 9	.250/6.35	.235/5.97	.220/5.59	.360/9.14	NO
7540X-054	.623/15.82	.270/6.86	.039/.99 NOTE 9	.628/15.95	.613/15.57	.598/15.19	.963/24.46	NO
7540X-055	.684/17.37	.046/1.17	.039/.99 NOTE 9	.689/17.50	.674/17.12	.659/16.74	.800/20.32	NO
7540X-056	.295/7.49	.187/4.75	.039/.99 NOTE 9	.300/7.62	.285/7.24	.270/6.86	.552/14.02	NO
7540X-057	.785/19.94	.045/1.14	.039/.99 NOTE 9	.790/20.07	.775/19.69	.760/19.30	.900/22.86	NO
7540X-058	.747/18.97	.518/13.16	.039/.99 NOTE 9	.752/19.10	.737/18.72	.722/18.34	1.335/33.91	NO
7540X-059	.230/5.84	.130/3.30	.039/.99 NOTE 9	.235/5.97	.220/5.59	.205/5.20	.430/10.99	NO
7540X-060	.400/10.16	.440/11.18	.039/.99 NOTE 9	.405/10.29	.390/9.91	.375/9.53	.910/23.11	NO
7540X-061	.280/7.11	.192/4.88	.039/.99 NOTE 9	.285/7.24	.270/6.86	.255/6.48	.542/13.77	NO
7540X-062	.280/7.11	.085/2.16	.039/.99 NOTE 9	.285/7.24	.270/6.86	.255/6.48	.435/11.05	NO
7540X-063	.100/2.54	.050/1.27	.039/.99 NOTE 9	.105/2.67	N/A	N/A	.220/5.59	NO
7540X-064	.380/9.65	.650/16.51	.038/.97 NOTE 10	.385/9.78	.370/9.40	.355/9.02	1.100/27.94	YES
7540X-065	.610/15.49	.030/.76	.038/.97 NOTE 10	.615/15.62	.600/15.24	.585/14.86	.710/18.03	YES
7540X-066	.822/20.88	.045/1.14	.039/.99 NOTE 9	.827/21.01	.812/20.63	.797/20.24	.937/23.80	NO
7540X-067	.940/23.88	.045/1.14	.039/.99 NOTE 9	.945/24.00	.935/23.75	.920/23.37	1.055/26.80	NO
7540X-068	.194/4.93	.042/1.07	.039/.99 NOTE 9	.196/4.98	.181/4.60	.165/4.19	.306/7.77	NO
7540X-069	.944/23.98	.041/1.04	.039/.99 NOTE 9	.948/24.08	.933/23.69	.917/23.29	1.055/26.80	NO
7540X-070	.650/16.51	.380/9.65	.039/.99 NOTE 9	.655/16.64	.640/16.26	.625/15.88	1.100/27.94	NO

NOTE 11

mat'l. code SEE NOTE 1	surface ASME Y14.5	tolerance ASME Y14.5	projection	product family PIN PRODUCTS
ltr	ecn no	dr	date	tolerances unless otherwise specified
BE				XX+01XX+3 XXX+005/XXX+13
				0° ±2° XXXX+0020/XXX+051
				dr M. CORNMAN 1990-02-22
				engr K.D. PATEL 1990-02-22
				chr E. IORFIDO 1992-12-21
				appd E. IORFIDO 1992-12-21
sheet	revision			
index	sheet			

PRODUCT NUMBER NOTE 14	CONTACT AREA DIM A	TERMINATION AREA DIM B	DIM C	DIM H FOR .062 BOARD 1.57	DIM H FOR .093 BOARD 2.36	DIM H FOR .125 BOARD 3.18	OVERALL LENGTH DIM L	CUSTOMER RESTRICTED	
7540X-071	.610/15.49	.044/1.12	.039/.99 NOTE 9	.614/15.59	.599/15.21	.583/14.81	.724/18.39	NO	
7540X-072	.160/4.06	.030/.76	.039/.99 NOTE 9	.165/4.19	.150/3.81	.135/3.43	.260/6.60	NO	NOTE 11
7540X-073	1.094/27.79	.037/.94	.039/.99 NOTE 9	1.098/27.89	1.083/27.51	1.067/27.10	1.201/30.51	NO	
7540X-074	.216/5.49	.024/.61	.039/.99 NOTE 9	.220/5.59	.205/5.21	.190/4.83	.310/7.87	NO	NOTE 12
7540X-075	.650/16.51	.380/9.65	.038/.97 NOTE 10	.655/16.64	.640/16.26	.625/15.88	1.100/27.94	YES	
7540X-076	.295/7.49	.025/.64	.039/.99 NOTE 9	.300/7.62	.285/7.23	.270/6.85	.390/9.91	NO	
7540X-077	.428/10.87	.025/.64	.039/.99 NOTE 9	.433/10.99	.418/10.61	.403/10.23	.523/13.28	NO	
7540X-078	.530/13.46	.025/.64	.039/.99 NOTE 9	.535/13.58	.520/13.20	.505/12.82	.625/15.88	NO	
7540X-079	.595/15.11	.025/.64	.039/.99 NOTE 9	.600/15.24	.585/14.85	.570/14.47	.690/17.53	NO	
7540X-080	.665/16.89	.025/.64	.039/.99 NOTE 9	.670/17.01	.655/16.63	.640/16.25	.760/19.30	NO	
7540X-081	.368/9.35	.045/1.14	.039/.99 NOTE 9	.373/9.47	.358/9.09	.343/8.71	.483/12.27	NO	NOTE 12
7540X-082	.846/21.49	.045/1.14	.038/.97 NOTE 10	.851/21.61	.836/21.23	.821/20.85	.961/24.41	NO	
7540X-083	.519/13.18	.502/12.75	.039/.99 NOTE 9	.549/13.94	.534/13.56	.519/13.18	1.091/27.71	NO	
7540X-084	.630/16.00	.159/4.04	.039/.99 NOTE 9	.635/16.13	.620/15.75	.605/15.37	.859/21.82	NO	
7540X-085	.519/13.18	.171/4.34	.039/.99 NOTE 9	.524/13.31	.509/12.93	.494/12.55	.760/19.30	NO	
7540X-086	.926/23.52	.437/11.10	.039/.99 NOTE 9	.931/23.65	.916/23.27	.901/22.89	1.433/36.40	NO	
7540X-087	.230/5.84	.045/1.14	.037/.94 NOTE 10	.235/5.97	.220/5.59	.205/5.21	.345/8.76	NO	
7540X-088LF	.320/8.13	.045/1.14	.036/.91 NOTE 10	.325/8.26	.310/7.87	.295/7.49	.435/11.05	NO	

mat'l. code SEE NOTE 1				surface	tolerance	projection	product family
				ASME Y14.5	✓ ASME Y14.5		PIN PRODUCTS
ltr	ecn no	dr	date	tolerances unless otherwise specified			
BE				angles	XX+01X-3	INCH/MM	
					XXX+.005/XXX-.13		
				0° ±2°	XXXX+.0020/XXX-.051	scale 1:1	
				dr	M. CORNMAN 1990-02-22		
				engr	K.D. PATEL 1990-02-22		
				chr	E. IORFIDO 1992-12-21		
				appd	E. IORFIDO 1992-12-21		
sheet	revision						
index	sheet						

title BERGPIN® .200"[5.08]cc .039"[0.99] DIA. STAR

dwg no sheet 5 of 5 size

75401 A4

type CUSTOMER Drawing

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol](#):

[75401-001LF](#) [75401-087LF](#) [75401-025](#) [75401-042](#)