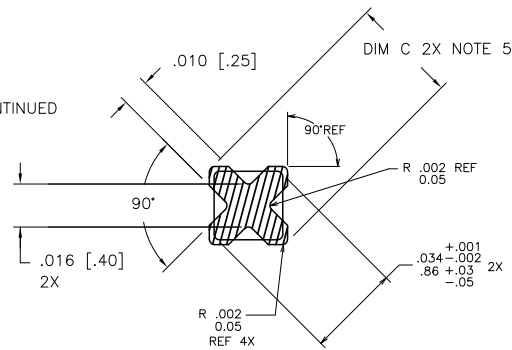


mat'l code	SEE NOTE 1	surface	tolerance	projection	product family
ltr	ec'n no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PIN PRODUCTS
BC	v08-0353	HTB	2008-08-14	tolerances unless otherwise specified	title
BD	v08-0496	HTB	2008-11-12	angles	BERGPIN® .200"[5.08]cc
BE	v10-0386	HTB	2010-10-20	finishes	.039"[0.99] DIA. STAR
				scale	1:1
				INCH/MM	
				scale	1:1
				FCI	dwg no
					75401
					sheet 1 of 5
					size
					A4
					type
					CUSTOMER Drawing
sheet	revision	BE	BE	BE	BE
index	sheet	1	2	3	4

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

DISCONTINUED



SCALE 10/1  
WITHOUT FERRULE

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; PUNCH P/N FROM EPL  
 EXAMPLE: 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.

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	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5 ✓	ASME Y14.5		PIN PRODUCTS
tr ecn no dr date	tolerances unless otherwise specified		INCH/MM	title
BE	angles	XXX+01/XX-3	scale 1:1	BERGPIN® .200"[5.08]cc
	0° ±2'	XXX+005/XX+13		.039"[0.99] DIA. STAR
	dr	XXXX+0020/XXX+051		dwg no
	engr	M. CORNMAN 1990-02-22		sheet 2 of 5
	chr	K.D. PATEL 1990-02-22		size
	appd	E. IORFIDO 1992-12-21		A4
sheet index	revision sheet			type
				CUSTOMER Drawing

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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									DISCONTINUED
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

mat'l. code	SEE NOTE 1	surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection 	product family PIN PRODUCTS
l/r	ec'n no	dr	date	tolerances unless otherwise specified	title
BE				angles XXX+01/XX+3	BERGPIN® .200"[5.08]cc
				0° ±2'	.039"[0.99] DIA. STAR
				dr M. CORNMAN 1990-02-22	scale 1:1
				enrgt K.D. PATEL 1990-02-22	FCJ
				chr E. IORFIDO 1992-12-21	dwg no 75401
				appd E. IORFIDO 1992-12-21	sheet 3 of 5 size A4
sheet index	revision sheet				type CUSTOMER Drawing

form A4mmXc

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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-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	.030/0.76	.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	ec'n no	dr	date	tolerances unless otherwise specified	title
BE				angles XXX±01/XX±3	BERGPIN® .200"[5.08]cc
				0° ±2'	.039"[0.99] DIA. STAR
				XXX±005/XXX±13	INCH/MM
				XXXX±0020/XXX±051	scale 1:1
				dr M. CORNMAN 1990-02-22	FCI
				enrgt K.D. PATEL 1990-02-22	dwg no 75401
				chr E. IORFIDO 1992-12-21	sheet 4 of 5
				appd E. IORFIDO 1992-12-21	size A4
sheet index	revision sheet				type CUSTOMER Drawing

form A4mmXc

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PDM: Rev:BE

STATUS:Released

Printed: Oct 23, 2010

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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
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
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
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

NOTE 11

NOTE 12

NOTE 12

mat'l. code	SEE NOTE 1	surface	ASME Y14.5 ✓	tolerance	ASME Y14.5	projection	product family	PIN PRODUCTS
tr	ec'n no	dr	date	tolerances unless otherwise specified	INCH/MM	scale	1:1	title
BE				angles	XXX+01/XX+3			BERGPIN® .200"[5.08]cc
				0° ±2'	XXX+005/XXX+13			.039"[0.99] DIA. STAR
					XXXX+0020/XXX+051			dwg no
				dr	M. CORNMAN	1990-02-22		sheet 5 of 5
				engr	K.D. PATEL	1990-02-22		size
				chr	E. IORFIDO	1992-12-21		A4
				appd	E. IORFIDO	1992-12-21		75401
sheet	revision							type
index	sheet							CUSTOMER Drawing

form A4mmXc