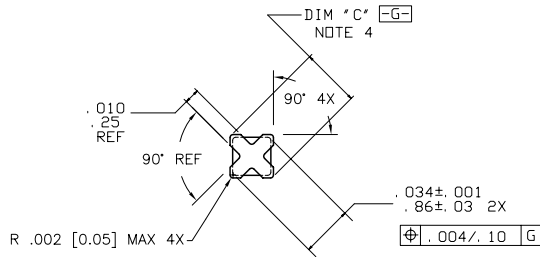
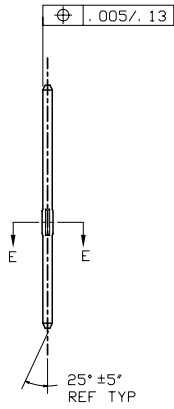
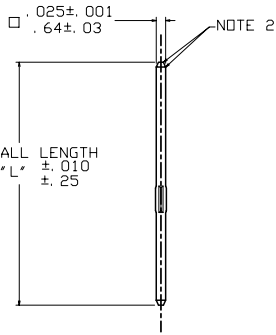
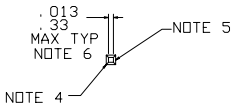


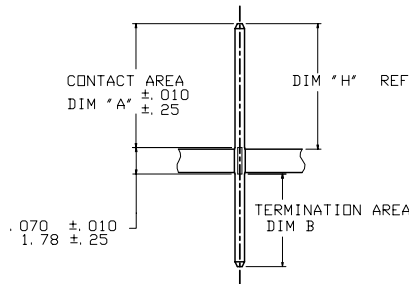
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PRODUCT NUMBER  
SEE TABLE



SECTION E-E  
SCALE 12/1  
WITHOUT FERRULE



SECTION THRU PC BOARD

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
lfr	ec'n no	dr	date	ASME Y14.5 ✓	ASME Y14.5
Y	v07-0009	HTB	2007-01-05	tolerances unless otherwise specified	INCH/MM
AA	v08-0353	HTB	2008-08-18	angles	scale 3:1
U	v71498	HTB	1997-10-28	dr	M. FETROW 1994-05-16
V	v01594	JRW	2000-07-12	engi	L. FYE 1994-05-16
W	v05-0399	HTB	2005-04-28	chr	L. FYE 1994-05-16
X	v06-0684	HTB	2006-07-24	appd	L. FYE 1994-05-16
sheet	revision	AA	AA	AA	AA
index	sheet	1	2	3	4

product family	PIN PRODUCTS
title	BERGPIN® LOOSE PIECE .039"[0.99] DIA. STAR
dwg no	76151
sheet	1 of 5
size	A4
type	CUSTOMER Drawing

PDM: Rev:AA STATUS:Released Printed: Sep 15, 2009

PRODUCT NUMBER NOTE 9	PLATING	UNDERPLATING
76151-YYY	30µ" [0.76µ] MIN Au	50µ" [1.27µ] MIN Ni
76151-YYLFF		
76153-YYY	50µ" [1.27µ] MIN Au	50µ" [1.27µ] MIN Ni
76153-YYLFF		
76154-YYY	<del>120µ" [3.05µ] MIN 93/7 SnPb</del>	<del>50µ" [1.27µ] MIN Ni</del>
76154-YYLFF	100µ" [2.54µ] MIN Sn (NOTE 10)	50µ" [1.27µ] MIN Ni
76155-YYY	30µ" [0.76µ] MIN CXT™	50µ" [1.27µ] MIN Ni
76155-YYLFF		
76156-YYY	15µ" [0.38µ] MIN CXT™	50µ" [1.27µ] MIN Ni
76156-YYLFF		
76159-YYY	15µ" [0.38µ] MIN Au	50µ" [1.27µ] MIN Ni
76159-YYLFF		

DISCONTINUED

NOTES:

- ①. MATERIAL: 3/4 HARD PHOS BRONZE  
ASTM B-159-66
- ②. BURNISH MARKS ON PIN PERMITTED  
BURR .003 [0.08] MAX 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. .002 [0.05] R MAX TYP 4X ON WIRE  
PORTION OF PIN.
- ⑤. TWO SIDES OF LEAD-IN NOT PLATED  
TYP BOTH ENDS.
- ⑥. .016 [0.41] MAX OPPOSITE END IF DIM  
B IS LESS THAN .230 [5.84].
- ⑦. TOLERANCE: +.001 [0.03], -.002 [0.05]
- ⑧. TOLERANCE: ±.001 [0.03]
- ⑨. ADD AN LF SUFFIX TO PART NUMBERS FOR PRODUCT  
THAT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- ⑩. 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	tolerance	projection	product family
lfr	ec'n no	dr	date	ASME Y14.5 ✓ ASME Y14.5	PIN PRODUCTS
AA				tolerances unless otherwise specified	title
				angles	BERGPIN® LOOSE PIECE
				0° ±2'	.039"[0.99] DIA. STAR
				dr	M. FETROW 1994-05-16
				engr	L. FYE 1994-05-16
				chr	L. FYE 1994-05-16
				appd	L. FYE 1994-05-16
sheet	revision				dwg no
index	sheet				76151
					sheet 2 of 5
					size
					A4
					type
					CUSTOMER Drawing

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PRODUCT NO. NOTE 9	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 3.17	OVERALL LENGTH DIM "L"	CUSTOMER RESTRICTED
7615X-001	.230/5.84	.045/1.14	.039/0.99 NOTE 7	.235/5.97	.220/5.59	.205/5.21	.345/8.76	NO
7615X-002	.265/6.73	.045/1.14	.039/0.99 NOTE 7	.270/6.86	.255/6.48	.240/6.10	.380/9.65	NO
7615X-003	.345/8.76	.045/1.14	.039/0.99 NOTE 7	.350/8.89	.335/8.51	.320/8.13	.460/11.68	NO
7615X-004	.400/10.16	.045/1.14	.039/0.99 NOTE 7	.405/10.29	.390/9.91	.375/9.53	.515/13.08	NO
7615X-005	.415/10.54	.045/1.14	.039/0.99 NOTE 7	.420/10.67	.405/10.29	.390/9.91	.530/13.46	NO
7615X-006	.435/11.05	.045/1.14	.039/0.99 NOTE 7	.440/11.18	.425/10.80	.410/10.41	.550/13.97	NO
7615X-007	.465/11.81	.045/1.14	.039/0.99 NOTE 7	.470/11.94	.455/11.56	.440/11.18	.580/14.73	NO
7615X-008	.515/13.08	.045/1.14	.039/0.99 NOTE 7	.520/13.21	.505/12.83	.490/12.45	.630/16.00	NO
7615X-009	.575/14.61	.040/1.02	.039/0.99 NOTE 7	.575/14.61	.560/14.22	.545/13.84	.685/17.40	NO
7615X-010	.585/14.86	.045/1.14	.039/0.99 NOTE 7	.590/14.99	.575/14.61	.560/14.22	.700/17.78	NO
7615X-011	.635/16.13	.045/1.14	.039/0.99 NOTE 7	.640/16.26	.625/15.88	.610/15.49	.750/19.05	NO
7615X-012	.655/16.64	.045/1.14	.039/0.99 NOTE 7	.660/16.76	.645/16.38	.630/16.00	.770/19.56	NO
7615X-013	.745/18.92	.045/1.14	.039/0.99 NOTE 7	.750/19.05	.735/18.67	.720/18.29	.860/21.84	NO
7615X-014	.265/6.73	.245/6.22	.039/0.99 NOTE 7	.270/6.86	.255/6.48	.240/6.10	.580/14.73	NO
7615X-015	.345/8.76	.245/6.22	.039/0.99 NOTE 7	.350/8.89	.335/8.51	.320/8.13	.660/16.76	NO
7615X-016	.400/10.16	.245/6.22	.039/0.99 NOTE 7	.405/10.29	.390/9.91	.375/9.53	.715/18.16	NO
7615X-017	.465/11.81	.245/6.22	.039/0.99 NOTE 7	.470/11.94	.455/11.56	.440/11.18	.780/19.81	NO
7615X-018	.570/14.48	.245/6.22	.039/0.99 NOTE 7	.575/14.61	.560/14.22	.545/13.84	.885/22.48	NO
7615X-019	.625/15.88	.245/6.22	.039/0.99 NOTE 7	.630/16.00	.615/15.62	.600/15.24	.940/23.88	NO
7615X-020	.655/16.64	.245/6.22	.039/0.99 NOTE 7	.660/16.76	.645/16.38	.630/16.00	.970/24.64	NO
7615X-021	.265/6.73	.355/9.02	.039/0.99 NOTE 7	.270/6.86	.255/6.48	.240/6.10	.690/17.53	NO
7615X-022	.345/8.76	.355/9.02	.039/0.99 NOTE 7	.350/8.89	.335/8.51	.320/8.13	.770/19.56	NO
7615X-023	.400/10.16	.355/9.02	.039/0.99 NOTE 7	.405/10.29	.390/9.91	.375/9.53	.825/20.96	NO
7615X-024	.465/11.81	.355/9.02	.039/0.99 NOTE 7	.470/11.94	.455/11.56	.440/11.18	.890/22.61	NO
7615X-025	.570/14.48	.355/9.02	.039/0.99 NOTE 7	.575/14.61	.560/14.22	.545/13.84	.995/25.27	NO
7615X-026	.625/15.88	.355/9.02	.039/0.99 NOTE 7	.630/16.00	.615/15.62	.600/15.24	1.050/26.67	NO
7615X-027	.655/16.64	.355/9.02	.039/0.99 NOTE 7	.660/16.76	.645/16.38	.630/16.00	1.080/27.43	NO

mat'l. code	SEE NOTE 1	surface ASME Y14.5 <input checked="" type="checkbox"/>	tolerance ASME Y14.5	projection	product family
lfr	ecrn no	dr	date	INCH/MM	PIN PRODUCTS
AA				scale 1:1	title
					BERGPIN® LOOSE PIECE
					.039"[0.99] DIA. STAR
					dwg no
					76151
					sheet 3 of 5
					size A4
					type
					CUSTOMER Drawing
sheet index	revision sheet				

form A4mmXc

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PDM: Rev:AA

STATUS:Released

Printed: Sep 15, 2009

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PRODUCT NO. NOTE 9	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 3.17 BOARD	OVERALL LENGTH DIM "L"	CUSTOMER RESTRICTED
7615X-028	.305/7.75	.035/0.89	.039/0.99 NOTE 7	.310/7.87	.295/7.49	.280/7.11	.410/10.41	NO
7615X-029	.755/19.18	.345/8.76	.039/0.99 NOTE 7	.760/19.30	.745/18.92	.730/18.54	1.170/29.72	NO
7615X-030	.710/18.03	.345/8.76	.039/0.99 NOTE 7	.715/18.16	.700/17.78	.685/17.40	1.125/28.58	NO
7615X-031	.545/13.84	.198/5.03	.039/0.99 NOTE 7	.550/13.97	.535/13.59	.520/13.21	.813/20.65	NO
7615X-032								
7615X-033	.335/8.51	.375/9.53	.039/0.99 NOTE 7	.340/8.64	.325/8.26	.310/7.87	.780/19.81	NO
7615X-034	.535/13.59	.045/1.14	.039/0.99 NOTE 7	.540/13.72	.525/13.34	.510/12.95	.650/16.51	NO
7615X-035	.560/14.22	.260/6.60	.039/0.99 NOTE 7	.565/14.35	.550/13.97	.535/13.59	.890/22.61	NO
7615X-036	.510/12.95	.381/9.68	.039/0.99 NOTE 7	.515/13.08	.500/12.70	.485/12.32	.961/24.41	NO
7615X-037	.325/8.26	.101/2.57	.039/0.99 NOTE 7	.330/8.38	.315/8.00	.300/7.62	.496/12.60	NO
7615X-038	.595/15.11	.330/8.38	.039/0.99 NOTE 7	.600/15.24	.585/14.86	.570/14.48	.995/25.27	NO
7615X-039	.755/19.18	.065/1.65	.039/0.99 NOTE 7	.760/19.30	.745/18.92	.730/18.54	.890/22.61	NO
7615X-040	.315/8.00	.395/10.03	.039/0.99 NOTE 7	.320/8.13	.305/7.75	.290/7.37	.780/19.81	NO
7615X-041	.230/5.84	.080/2.03	.039/0.99 NOTE 7	.235/5.97	.220/5.59	.205/5.21	.380/9.65	NO
7615X-042	.870/22.10	.045/1.14	.039/0.99 NOTE 7	.875/22.23	.860/21.84	.845/21.46	.985/25.02	NO
7615X-043	.504/12.80	.329/8.36	.039/0.99 NOTE 7	.509/12.80	.494/12.55	.479/12.17	.900/22.86	NO
7615X-044	.324/8.23	.056/1.42	.039/0.99 NOTE 7	.329/8.36	.314/7.98	.299/7.60	.450/11.43	NO
7615X-045	.499/12.68	.056/1.42	.039/0.99 NOTE 7	.504/12.80	.489/12.42	.474/12.04	.625/15.88	NO
7615X-046	.430/10.92	.535/13.59	.039/0.99 NOTE 7	.435/11.05	.420/10.67	.405/10.29	1.035/26.29	NO
7615X-047	.375/9.53	.070/1.78	.039/0.99 NOTE 7	.380/9.65	.365/9.27	.350/8.89	.515/13.08	NO
7615X-048	.375/9.53	.275/6.99	.039/0.99 NOTE 7	.380/9.65	.365/9.27	.350/8.89	.720/18.29	NO
7615X-049	.545/13.84	.070/1.78	.039/0.99 NOTE 7	.550/13.97	.535/13.59	.520/13.21	.685/17.40	NO
7615X-050	.313/7.95	.317/8.05	.039/0.99 NOTE 7	.318/8.08	.303/7.70	.288/7.32	.700/17.78	NO
7615X-051	.320/8.13	.045/1.14	.039/0.99 NOTE 7	.325/8.26	.310/7.87	.295/7.49	.435/11.05	NO
7615X-052	.620/15.75	.590/14.99	.039/0.99 NOTE 7	.625/15.88	.610/15.49	.595/15.11	1.280/35.51	NO
7615X-053	.245/6.22	.045/1.14	.039/0.99 NOTE 7	.250/6.35	.235/5.97	.220/5.59	.360/9.14	NO
7615X-054	.623/15.82	.270/6.86	.039/0.99 NOTE 7	.628/15.95	.613/15.57	.598/15.19	.963/24.46	NO

OBSOLETE

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mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
AA	ecm no	ASME Y14.5	ASME Y14.5		PIN PRODUCTS
	dr	tolerances unless otherwise specified			title
	date	angles	INCH/MM		BERGPIN® LOOSE PIECE
		0° ±2'	scale 1:1		.039"[0.99] DIA. STAR
		dr M. FETROW 1994-05-16			dwg no 76151 sheet 4 of 5 size A4
		enrg L. FYE 1994-05-16			type CUSTOMER Drawing
		chr L. FYE 1994-05-16			
		appd L. FYE 1994-05-16			
sheet index	revision sheet				

form A4mmXlc

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PRODUCT NO. NOTE 9	CONTACT AREA DIM "A"	TERMINATION AREA DIM "B"	DIM "C"		DIM "H"		OVERALL LENGTH DIM "L"	CUSTOMER RESTRICTED
					FOR DIM FOR	BOARD		
7615X-055	.684/17.37	.051/1.30	.039/0.99	NOTE 7	.689/17.50	.674/17.12	.800/20.32	NO
7615X-056	.295/7.49	.192/4.88	.039/0.99	NOTE 7	.300/7.62	.285/7.24	.552/14.02	NO
7615X-057	.785/19.94	.050/1.27	.039/0.99	NOTE 7	.790/20.07	.775/19.69	.900/22.86	NO
7615X-058	.747/18.97	.524/13.31	.039/0.99	NOTE 7	.752/19.10	.737/18.72	1.335/33.91	NO
7615X-059	.230/5.84	.135/3.43	.039/0.99	NOTE 7	.235/5.97	.220/5.59	.430/10.92	NO
7615X-060	.400/10.16	.440/11.18	.039/0.99	NOTE 7	.405/10.29	.390/9.91	.910/23.11	NO
7615X-061	.280/7.11	.192/4.88	.039/0.99	NOTE 7	.285/7.24	.270/6.86	.542/13.77	NO
7615X-062	.280/7.11	.085/2.16	.039/0.99	NOTE 7	.285/7.24	.270/6.86	.435/11.05	NO
7615X-063	.100/2.54	.050/1.27	.039/0.99	NOTE 7	.105/2.67	.090/2.29	.220/5.59	NO
7615X-064	.380/9.65	.650/16.51	.039/0.99	NOTE 7	.385/9.78	.370/9.40	1.100/27.94	NO
7615X-065	.610/15.49	.030/0.76	.038/0.97	NOTE 8	.615/15.62	.600/15.24	.710/18.03	YES
7615X-066	.822/20.88	.045/1.14	.039/0.99	NOTE 7	.827/21.01	.812/20.63	.937/23.80	NO
7615X-067	.945/24.00	.045/1.14	.039/0.99	NOTE 7	.945/24.00	.935/23.75	1.055/26.80	NO
7615X-068	.194/4.93	.042/1.07	.039/0.99	NOTE 7	.196/4.98	.181/4.60	.306/7.77	NO
7615X-069	.220/5.59	.220/5.59	.039/0.99	NOTE 7	.225/5.72	.210/5.33	.510/12.95	NO

mat'l. code		surface		tolerance		projection		product family			
SEE NOTE 1		ASME Y14.5 <input checked="" type="checkbox"/>		ASME Y14.5				PIN PRODUCTS			
ltr	ec'n no	dr	date	tolerances unless otherwise specified		INCH/MM		title			
AA				angles	XXX+01/XX+3			BERGPIN® LOOSE PIECE			
				0° ±2'	XXX+005/XX+13	scale 1:1		.039"[0.99] DIA. STAR			
				dr	M. FETROW	1994-05-16			dwg no		
				engr	L. FYE	1994-05-16			sheet 5 of 5		size
				chr	L. FYE	1994-05-16			76151		A4
sheet index	revision sheet			appd	L. FYE	1994-05-19	type		CUSTOMER Drawing		

form A4mmXlc

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