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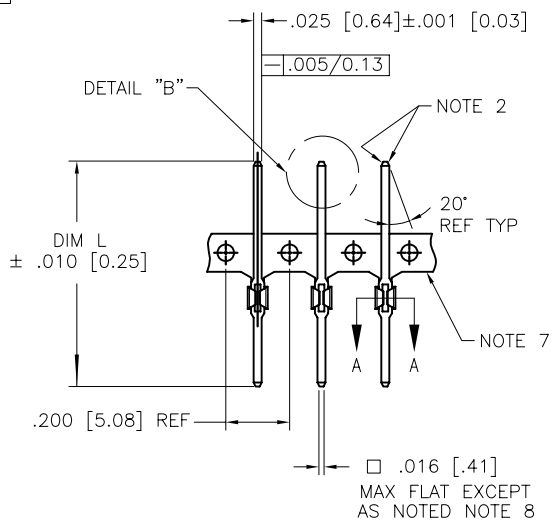
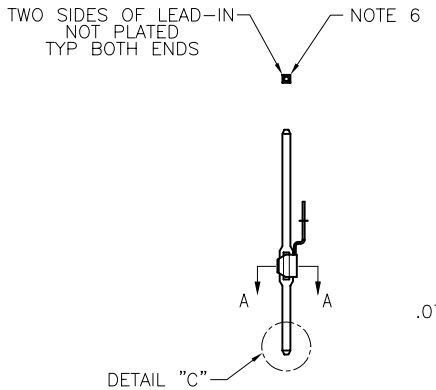
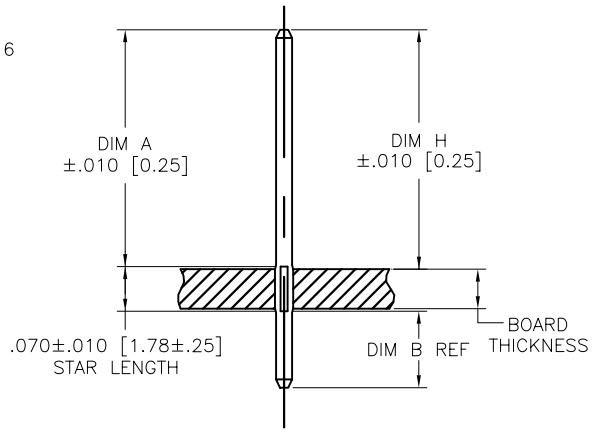
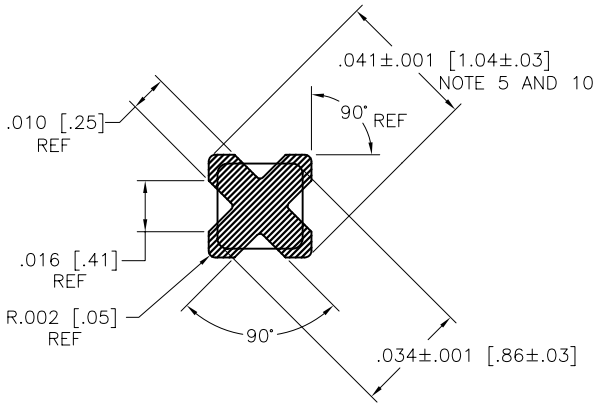
PRODUCT NUMBER
SEE TABLE



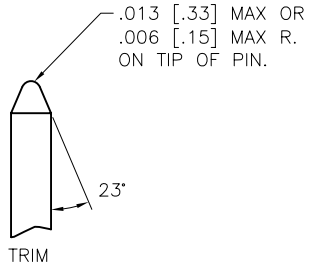




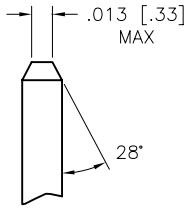
SECTION THRU PC BOARD



SECTION A–A
SCALE 10:1
(FERRULE REMOVED)



TRIM
DETAIL B
SCALE 5:1
TYP BOTH ENDS



SWEDGE
DETAIL C
SCALE 5:1
TYP BOTH ENDS

mat'l. code	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5	ASME Y14.5		PIN PRODUCTS

ltr	ecn no	dr	date
AK	V07-0009	HTB	2007-01-05
AL	V08-0354	HTB	2008-08-21
–	–	–	-
AF	V01594	JRW	2000-07-12
AG	V11062	CGD	2001-03-15
AH	V05-0375	VS	2005-04-22
AJ	V06-0684	HTB	2006-07-24

tolerances unless otherwise specified

angles	linear
0°±2°	XX±.01/.X±.3
	.XXX±.005/.XX±.13
	.XXXX±.0020/.XXX±.051

dr	S. ROYER	1994-07-20
engr	L. FYE	1994-07-20
chr	L. FYE	1994-07-20
appd	L. FYE	1994-07-20

sheet	revision	AL	AL	AL	AL
index	sheet	1	2	3	4

INCH/MM
scale 2:1

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA. STAR

dwg no 75481 | sheet 1 of 4 | size A4

type CUSTOMER Drawing

form: A4mmXLc

PDM: Rev:AL STATUS Released Printed: Jul 14, 2012

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PRODUCT NUMBER NOTE 12	PLATING	UNDERPLATING	
75481-YYY	30µ" [0.76µ] MIN Au	50µ" [1.27µ] MIN Ni	
75481-YYYLF			
75482-YYY	U N A S S I G N E D		
75483-YYY	50µ" [1.27µ] MIN Au	50µ" [1.27µ] MIN Ni	
75483-YYYLF			
75484-YYY	~~120µ" [3.05µ] MIN 93/7 SnPb~~	~~50µ" [1.27µ] MIN Ni~~	~~NOTE 14~~ OBSOLETE
75484-YYYLF	100µ" [2.54µ] MIN Sn	50µ" [1.27µ] MIN Ni	NOTE 13
75485-YYY	30µ" [0.76µ] MIN GXT™	50µ" [1.27µ] MIN Ni	
75485-YYYLF			
75486-YYY	15µ" [0.38µ] MIN GXT™	50µ" [1.27µ] MIN Ni	
75486-YYYLF			
75487-YYY	U N A S S I G N E D		
75488-YYY	U N A S S I G N E D		
75489-YYY	15µ" [0.38µ] MIN Au	50µ" [1.27µ] MIN Ni	
75489-YYYLF			

NOTES:

(1) PIN MATERIAL: PHOS BRONZE 3/4 HARD
ASTM-B-159-66

(2) BURNISH MARKS ON PIN PERMITTED, BURR .003/.08 MAX BULGE .0005 [0.013] TYP.

3. SEE PRODUCT SPECIFICATION BUS-12-064 FOR P.C. BOARD HOLE DIAMETER AND P.C. BOARD HOLE PLATING INFORMATION.

4. PIN TO FERRULE RETENTION 1 LB [0.45 KG] MIN TO 6 LBS [2.72 KG] MAX.

(5) THE .041±.001 [1.04±.03] FEATURE SHALL BE CONCENTRIC TO THE WIRE DIAGONAL WITHIN .004 [0.10] TIR.

(6) .002 [0.05] R MAX TYP 4X ON WIRE WRAP PORTION OF PIN.

(7) CARRIER STRIP FOR CONVEYING PURPOSES ONLY.

(8) DOUBLE ENDED PINS AS MARKED MUST MEET SPECS IN VIEWS B & C ON BOTH ENDS.

9. USE FIRST TWO DIGITS OF "H" DIMENSIONS FOR DASH NUMBER OF PUNCH FROM MACHINE EPL:
EXAMPLE:
P/N 75481-001 PUNCH P/N FROM EPL
BP161A-105396-028
"BD" = .062 [1.58] BP151-133632-028
"H" = .283 [7.19] BP171-133632-028

(10) SPECIAL STAR .044 ±.002 [1.12 ±.05] WIDE X .060 [1.52] LONG FOR DASH NUMBER [-048] ONLY.

11. CENTER LINE OF TERMINAL MUST BE IN A TRUE POSITION WITHIN .016 [0.41] DIA WITH RESPECT TO THE HOLE AXIS AFTER INSERTION IN PC BOARD.

(12) ADD AN LF SUFFIX TO PART NUMBER FOR PRODUCT THAT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-022-008.

(13) THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS.

(14) 75484-YYY IS NOT RoHS COMPLIANT.

mat'l. code	SEE NOTE 1
surface	ASME Y14.5
tolerance	ASME Y14.5
projection	
product family	PIN PRODUCTS
ltr	AL
tolerances unless otherwise specified	angles 0°±2°; linear .XX±.01/.X±.3, .XXX±.005/.XX±.13, .XXXX±.0020/.XXX±.051
units	INCH/MM
scale	1:1
title	BERGPIN® .200"[5.08]cc .041"[1.04] DIA. STAR
dr	S. ROYER 1994-07-20
engr	L. FYE 1994-07-20
chr	L. FYE 1994-07-20
appd	L. FYE 1994-07-20
dwg no	75481
sheet	2 of 4
size	A4
type	CUSTOMER Drawing

form: A4mmXLc

PDM: Rev:AL STATUS Released Printed: Jul 14, 2012

FCIconnect.com

PRODUCT NUMBER	CONTACT AREA		TERM. AREA		OVERALL LENGTH		DIM H FOR .062/1.58 BOARD		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		
NOTE 12	DIM A	DIM A	DIM B	DIM B	DIM L	DIM L							
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	NOTES
7548X−001	0.278	7.06	0.042	1.07	0.390	9.91	0.283	7.19	0.268	6.81	0.253	6.43	–
7548X−002	0.308	7.82	0.042	1.07	0.420	10.67	0.313	7.95	0.298	7.57	0.283	7.19	–
7548X−003	0.285	7.24	0.075	1.91	0.430	10.92	0.290	7.37	0.275	6.99	0.260	6.60	–
7548X−004	0.315	8.00	0.055	1.40	0.440	11.18	0.320	8.13	0.305	7.75	0.290	7.37	–
7548X−005	0.315	8.00	0.075	1.91	0.460	11.68	0.320	8.13	0.305	7.75	0.290	7.37	–
7548X−006	0.368	9.35	0.042	1.07	0.480	12.19	0.373	9.47	0.358	9.09	0.343	8.71	–
7548X−007	0.375	9.53	0.055	1.40	0.500	12.70	0.380	9.65	0.365	9.27	0.350	8.89	–
7548X−008	0.315	8.00	0.125	3.18	0.510	12.95	0.320	8.13	0.305	7.75	0.290	7.37	NOTE 8
7548X−009	0.405	10.29	0.042	1.07	0.517	13.13	0.410	10.41	0.395	10.03	0.380	9.65	–
7548X−010	0.315	8.00	0.155	3.94	0.540	13.72	0.320	8.13	0.305	7.75	0.290	7.37	NOTE 8
7548X−011	0.428	10.87	0.042	1.07	0.540	13.72	0.433	11.00	0.418	10.62	0.403	10.24	–
7548X−012	0.475	12.07	0.055	1.40	0.600	15.24	0.480	12.19	0.465	11.81	0.450	11.43	–
7548X−013	0.405	10.29	0.135	3.43	0.610	15.49	0.410	10.41	0.395	10.03	0.380	9.65	NOTE 8
7548X−014	0.508	12.90	0.042	1.07	0.620	15.75	0.513	13.03	0.498	12.65	0.483	12.27	–
7548X−015	0.698	17.73	0.042	1.07	0.810	20.57	0.703	17.86	0.688	17.48	0.673	17.09	–
7548X−016	0.760	19.30	0.040	1.02	0.870	22.10	0.763	19.38	0.748	19.00	0.733	18.62	–
7548X−017	0.315	8.00	0.255	6.48	0.640	16.26	0.320	8.13	0.305	7.75	0.290	7.37	NOTE 8
7548X−018	0.405	10.29	0.055	1.40	0.530	13.46	0.410	10.41	0.395	10.03	0.380	9.65	–
7548X−019	0.443	11.25	0.315	8.00	0.828	21.03	0.448	11.38	0.433	11.00	0.418	10.62	NOTE 8
7548X−020	0.631	16.03	0.315	8.00	1.016	25.81	0.636	16.15	0.621	15.77	0.606	15.39	NOTE 8
7548X−021	0.315	8.00	0.179	4.55	0.564	14.33	0.320	8.13	0.305	7.75	0.290	7.37	NOTE 8
7548X−022	0.625	15.88	0.245	6.22	0.940	23.88	0.630	16.00	0.615	15.62	0.600	15.24	NOTE 8
7548X−023	0.230	5.84	0.045	1.14	0.345	8.76	0.235	5.97	0.220	5.59	0.205	5.21	–
7548X−024	0.575	14.61	0.045	1.14	0.690	17.53	0.580	14.73	0.565	14.35	0.550	13.97	–
7548X−025			U N A	S S I G	N E D								
7548X−026	0.625	15.88	0.355	9.02	1.050	26.67	0.630	16.00	0.615	15.62	0.600	15.24	NOTE 8
7548X−027			U N A	S S I G	N E D								

mat'l. code: SEE NOTE 1	surface: ASME Y14.5	tolerance: ASME Y14.5	projection
ltr / ecn no / dr / date: AL	tolerances unless otherwise specified: angles 0°±2°; linear .XX±.01/.X±.3, .XXX±.005/.XX±.13, .XXXX±.0020/.XXX±.051		INCH/MM; scale 1:1
dr S. ROYER 1994-07-20	engr L. FYE 1994-07-20	chr L. FYE 1994-07-20	appd L. FYE 1994-07-20

product family: PIN PRODUCTS

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA. STAR

dwg no: 75481 | sheet 3 of 4 | size A4

type: CUSTOMER Drawing

sheet index | revision sheet

form: A4mmXLc

PDM: Rev:AL STATUS Released Printed: Jul 14, 2012

FCIconnect.com

PRODUCT NUMBER	CONTACT AREA		TERM. AREA		OVERALL LENGTH		DIM H FOR .062/1.58 BOARD		DIM H FOR .093/2.36 BOARD		DIM H FOR .125/3.18 BOARD		
NOTE12	DIM A	DIM A	DIM B	DIM B	DIM L	DIM L							
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	NOTES
7548X-028			U N A S S I G N E D										
7548X-029	0.755	19.18	0.337	8.56	1.162	29.51	0.760	19.30	0.745	18.92	0.730	18.54	NOTE 8
7548X-030	0.490	12.45	0.140	3.56	0.700	17.78	0.495	12.57	0.480	12.19	0.465	11.81	NOTE 8
7548X-031	0.590	14.99	0.140	3.56	0.800	20.32	0.595	15.11	0.580	14.73	0.565	14.35	NOTE 8
7548X-032	0.298	7.57	0.052	1.32	0.420	10.67	0.303	7.70	0.288	7.32	0.273	6.93	–
7548X-033	0.398	10.11	0.042	1.07	0.510	12.95	0.403	10.24	0.388	9.86	0.373	9.47	–
7548X-034	0.468	11.89	0.042	1.07	0.580	14.73	0.473	12.01	0.458	11.63	0.443	11.25	–
7548X-035	0.468	11.89	0.502	12.75	1.040	26.42	0.473	12.01	0.458	11.63	0.443	11.25	NOTE 8
7548X-036	0.305	7.75	0.315	8.00	0.690	17.53	0.313	7.95	0.298	7.57	0.283	7.19	NOTE 8
7548X-037	0.448	11.38	0.042	1.07	0.560	14.22	0.453	11.51	0.438	11.13	0.423	10.74	–
7548X-038	0.228	5.79	0.042	1.07	0.340	8.64	0.233	5.92	0.218	5.54	0.203	5.16	–
7548X-039	0.628	15.95	0.042	1.07	0.740	18.80	0.633	16.08	0.618	15.70	0.603	15.32	–
7548X-040	0.288	7.32	0.042	1.07	0.400	10.16	0.293	7.44	0.278	7.06	0.263	6.68	–
7548X-041	0.308	7.82	0.142	3.61	0.520	13.21	0.313	7.95	0.298	7.57	0.283	7.19	NOTE 8
7548X-042	0.285	7.24	0.287	7.29	0.642	16.31	0.290	7.37	0.275	6.99	0.260	6.60	NOTE 8
7548X-043	0.308	7.82	0.212	5.38	0.590	14.99	0.313	7.95	0.298	7.57	0.283	7.19	NOTE 8
7548X-044	0.522	13.26	0.103	2.62	0.695	17.65	0.527	13.39	0.512	13.00	0.497	12.62	–
7548X-045	0.522	13.26	0.538	13.67	1.130	28.70	0.527	13.39	0.512	13.00	0.497	12.62	NOTE 8
7548X-046	0.595	15.11	0.353	8.97	1.018	25.86	0.600	15.24	0.585	14.86	0.570	14.48	NOTE 8
7548X-047	0.325	8.26	0.042	1.07	0.437	11.10	0.330	8.38	0.315	8.00	0.300	7.62	–
7548X-048	0.310	7.87	0.030	0.76	0.400	10.16	0.305	7.75	0.290	7.37	0.275	6.99	NOTE 10
7548X-049	0.310	7.87	0.470	11.94	0.850	21.59	0.315	8.00	0.300	7.62	0.285	7.24	–
7548X-050	0.390	9.91	0.018	0.46	0.478	12.14	0.395	10.03	0.380	9.65	0.365	9.27	–
7548X-051	0.300	7.62	0.018	0.46	0.388	9.56	0.305	25.71	0.290	7.37	0.275	6.99	–
7548X-052	0.309	7.85	0.026	0.66	0.405	10.29	0.314	7.98	0.299	7.59	0.284	7.21	–

mat'l. code: SEE NOTE 1	surface: ASME Y14.5	tolerance: ASME Y14.5	projection
ltr: AL	ecn no	dr	date
tolerances unless otherwise specified: angles 0°±2°; linear .XX±.01/.X±.3; .XXX±.005/.XX±.13; .XXXX±.0020/.XXX±.051			INCH/MM
scale 1:1			
dr: S. ROYER 1996-05-15			
engr: L. FYE 1996-05-15			
chr: L. FYE 1996-05-15			
appd: L. FYE 1996-05-15			
sheet index / revision sheet			

product family: PIN PRODUCTS

title: BERGPIN® .200"[5.08]cc .041"[1.04] DIA. STAR

dwg no: 75481 | sheet 4 of 4 | size A4

type: CUSTOMER Drawing

form: A4mmXLc

PDM: Rev:AL STATUS Released Printed: Jul 14, 2012

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