



PRODUCT NUMBER	PLATING	UNDERPLATING
76241-1YY	30μ" [0.76μ] Au	50μ" [1.27μ] Ni
76241-2YY	U N A S S I G N E D	
76241-3YY	50μ" [1.27μ] Au	50μ" [1.27μ] Ni
76241-4YY	120μ" [3.05μ] 93/7 SnPb	50μ" [1.27μ] Ni
76241-5YY	30μ" [0.76μ] GXT™	50μ" [1.27μ] Ni
76241-6YY	15μ" [0.38μ] GXT™	50μ" [1.27μ] Ni
76241-7YY	U N A S S I G N E D	
76241-8YY	U N A S S I G N E D	
76241-9YY	15μ" [0.38μ] Au	50μ" [1.27μ] Ni

NOTES:

- ①. PIN MATERIAL: PHOS BRONZE 3/4 HARD
ASTM-B-159-66
SOLDER WASHER MATERIAL:
STANDARD: TIN-LEAD ALLOY 60/40
OPTIONAL: FOR TIN-LEAD ALLOY 60/40 SOLDER
WASHERS WITH ROSIN FLUX THAT DOES
NOT REQUIRE CLEANING, ADD AN "A"
TO THE END OF THE PART NUMBER.
- ②. BURNISH MARKS ON PIN PERMITTED, BURR
.003/.08 MAX TYP BULGE .0005/.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. .003 [0.08] R MAX TYP 4X ON WIRE WRAP
PORTION OF PIN.
7. FOR DIMENSIONS NOT GIVEN, SEE TABULATION.
8. CENTER LINE OF TERMINAL MUST BE IN A
TRUE POSITION WITHIN .015 [0.38] DIA. WITH
RESPECT TO THE HOLE AXIS AFTER INSERTION
IN P.C. BOARD.

9. FOR MACHINE APPLICATION, THE STANDARD BERGPIN
MACHINES MUST BE MODIFIED.
10. SOLDER MATERIAL VOLUME :
.0000234 CU IN [0.001203 CU CM].
11. USE FIRST TWO DIGITS OF "H" DIMENSIONS
FOR DASH NUMBER OF PUNCH FROM MACHINE
EPL:
EXAMPLE:
P/N 76241-001 PUNCH P/N FROM EPL
BP191-XXXXXX-023
DIM "H" FOR .062/1.57 BP151-XXXXXX-023
THICK BOARD = .235 [5.97] BP171-XXXXXX-023
12. SOLDER WASHER SHALL HAVE 75 GM MIN RETENTION.
13. .016 [0.41] MAX IF "B" IS LESS THAN .230 [5.84].
14. ALL ANGLES ± 5° UNLESS OTHERWISE SPECIFIED.

mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5		ASME Y14.5				PIN PRODUCTS	
ltr	ecr no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
w				angles	XX*.01/X*.3			BERGPIN® .200"[5.08]cc	
					XXX*.005/XXX*.13			.039"[0.99] DIA. STAR	
				0°±5°	XXXX*.0020/XXX*.051	scale 1:1		WITH SOLDER WASHER	
		dr	E. KROPIEWICKI	1996-07-24				dwg no	
		enr	L. FYE	1996-07-24				sheet 2 of 4	
		chr	T. BREWBAKER	1996-07-24				size	
		appd	L. FYE	1996-07-24				A4	
sheet index		revision sheet						type CUSTOMER Drawing	



PRODUCT NUMBER	CONTACT AREA		TERM. AREA		DIM H FOR		DIM H FOR		DIM H FOR		OVERALL LENGTH	
	DIM A	DIM A	DIM B	DIM B	.062/1.58 BOARD		.093/2.36 BOARD		.125/3.18 BOARD		DIM L	DIM L
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
76241-X01	0.230	5.84	0.060	1.52	0.235	5.97	0.220	5.59	0.205	5.21	0.365	9.27
76241-X02	0.265	6.73	0.060	1.52	0.270	6.86	0.255	6.48	0.240	6.10	0.400	10.16
76241-X03	0.345	8.76	0.060	1.52	0.350	8.89	0.335	8.51	0.320	8.13	0.480	12.19
76241-X04	0.400	10.16	0.060	1.52	0.405	10.29	0.390	9.91	0.375	9.53	0.535	13.59
76241-X05	0.415	10.54	0.060	1.52	0.420	10.67	0.405	10.29	0.390	9.91	0.550	13.97
76241-X06	0.435	11.05	0.060	1.52	0.440	11.18	0.425	10.80	0.410	10.41	0.570	14.48
76241-X07	0.465	11.81	0.060	1.52	0.470	11.94	0.455	11.56	0.440	11.18	0.600	15.24
76241-X08	0.515	13.08	0.060	1.52	0.520	13.21	0.505	12.83	0.490	12.45	0.650	16.51
76241-X09	0.570	14.48	0.060	1.52	0.575	14.61	0.560	14.22	0.545	13.84	0.705	17.91
76241-X10	0.585	14.86	0.060	1.52	0.590	14.99	0.575	14.61	0.560	14.22	0.720	18.29
76241-X11	0.635	16.13	0.060	1.52	0.640	16.26	0.625	15.88	0.610	15.49	0.770	19.56
76241-X12	0.655	16.64	0.060	1.52	0.660	16.76	0.645	16.38	0.630	16.00	0.790	20.07
76241-X13	0.745	18.92	0.060	1.52	0.750	19.05	0.735	18.67	0.720	18.29	0.880	22.35
76241-X14	0.265	6.73	0.245	6.22	0.270	6.86	0.255	6.48	0.240	6.10	0.580	14.73
76241-X15	0.345	8.76	0.245	6.22	0.350	8.89	0.335	8.51	0.320	8.13	0.660	16.76
76241-X16	0.400	10.16	0.245	6.22	0.405	10.29	0.390	9.91	0.375	9.53	0.715	18.16
76241-X17	0.465	11.81	0.245	6.22	0.470	11.94	0.455	11.56	0.440	11.18	0.780	19.81
76241-X18	0.570	14.48	0.245	6.22	0.575	14.61	0.560	14.22	0.545	13.84	0.885	22.48
76241-X19	0.625	15.88	0.245	6.22	0.630	16.00	0.615	15.62	0.600	15.24	0.940	23.88
76241-X20	0.655	16.64	0.245	6.22	0.660	16.76	0.645	16.38	0.630	16.00	0.970	24.64
76241-X21	0.265	6.73	0.345	8.76	0.270	6.86	0.255	6.48	0.240	6.10	0.690	17.53
76241-X22	0.345	8.76	0.355	9.02	0.350	8.89	0.335	8.51	0.320	8.13	0.770	19.56
76241-X23	0.400	10.16	0.355	9.02	0.405	10.29	0.390	9.91	0.375	9.53	0.825	20.96
76241-X24	0.465	11.81	0.355	9.02	0.470	11.94	0.455	11.56	0.440	11.18	0.890	22.61
76241-X25	0.570	14.48	0.355	9.02	0.575	14.61	0.560	14.22	0.545	13.84	0.995	25.27
76241-X26	0.625	15.88	0.355	9.02	0.630	16.00	0.615	15.62	0.600	15.24	1.050	26.67
76241-X27	0.655	16.64	0.355	9.02	0.660	16.76	0.645	16.38	0.630	16.00	1.080	27.43
76241-X28	0.305	7.75	0.060	1.52	0.310	7.87	0.295	7.49	0.280	7.11	0.440	11.18

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						title BERGPIN® .200"[5.08]cc .039"[0.99] DIA. STAR WITH SOLDER WASHER	
w				angles		XX*01/X*3 XXX*005/XXX*13		INCH/MM			
				0"±5"		XXXX*0020/XXX*051		scale 1:1			
				dr E. KROPIEWNICKI 1996-07-24						dwg no sheet 3 of 4 size	
				enrg L. FYE 1996-07-24						76241 A4	
				chr T. BREWBAKER 1996-07-24						type CUSTOMER Drawing	
				appd L. FYE 1996-07-24							
sheet index		revision sheet									



PRODUCT NUMBER	CONTACT AREA		TERM. AREA		DIM H FOR		DIM H FOR		DIM H FOR		OVERALL LENGTH	
	DIM A	DIM A	DIM B	DIM B	.062/1.58 BOARD		.093/2.36 BOARD		.125/3.18 BOARD		DIM L	DIM L
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
76241-X29	0.755	19.18	0.345	8.76	0.760	19.30	0.745	18.92	0.730	18.54	1.170	29.72
76241-X30	0.710	18.03	0.345	8.76	0.715	18.16	0.700	17.78	0.685	17.40	1.125	28.58
76241-X31	0.545	13.84	0.198	5.03	0.550	13.97	0.535	13.59	0.520	13.21	0.813	20.65
76241-X32			U N A V	A I L	A B L E							
76241-X33	0.335	8.51	0.375	9.53	0.340	8.64	0.325	8.26	0.310	7.87	0.780	19.81
76241-X34	0.535	13.59	0.060	1.52	0.540	13.72	0.525	13.34	0.510	12.95	0.670	17.02
76241-X35	0.560	14.22	0.260	6.60	0.565	14.35	0.550	13.97	0.535	13.59	0.890	22.61
76241-X36	0.510	12.95	0.381	9.68	0.515	13.08	0.500	12.70	0.485	12.32	0.961	24.41
76241-X37	0.325	8.26	0.101	2.57	0.330	8.38	0.315	8.00	0.300	7.62	0.496	12.60
76241-X38	0.595	15.11	0.330	8.38	0.600	15.24	0.585	14.86	0.570	14.48	0.995	25.27
76241-X39	0.755	19.18	0.065	1.65	0.760	19.30	0.745	18.92	0.730	18.54	0.890	22.61
76241-X40	0.315	8.00	0.395	10.03	0.320	8.13	0.305	7.75	0.290	7.37	0.780	19.81
76241-X41	0.230	5.84	0.080	2.03	0.235	5.97	0.220	5.59	0.205	5.21	0.380	9.65
76241-X42			U N A V	A I L	A B L E							
76241-X43	0.504	12.80	0.329	8.36	0.509	12.93	0.494	12.55	0.479	12.17	0.900	22.86
76241-X44	0.324	8.23	0.060	1.52	0.329	8.36	0.314	7.98	0.299	7.59	0.454	11.53
76241-X45	0.499	12.67	0.060	1.52	0.504	12.80	0.489	12.42	0.474	12.04	0.629	15.98
76241-X46	0.430	10.92	0.535	13.59	0.435	11.05	0.420	10.67	0.405	10.29	1.035	26.29
76241-X47	0.375	55.00	0.070	1.78	0.380	9.65	0.365	9.27	0.350	8.89	0.515	13.08
76241-X48	0.375	9.53	0.275	6.99	0.380	9.65	0.365	9.27	0.350	8.89	0.720	18.29
76241-X49	0.545	13.84	0.070	1.78	0.550	13.97	0.535	13.59	0.520	13.21	0.685	17.40
76241-X50	0.313	7.95	0.317	8.05	0.318	8.08	0.303	7.70	0.288	7.32	0.700	17.78
76241-X51	0.320	8.13	0.060	1.52	0.325	8.26	0.310	7.87	0.295	7.49	0.455	11.56
76241-X52	0.620	15.75	0.590	14.99	0.625	15.88	0.610	15.49	0.595	15.11	1.280	32.51
76241-X53	0.295	7.49	0.187	4.75	0.300	7.62	0.285	7.24	0.270	6.86	0.552	14.02
76241-X54	0.685	17.40	0.045	1.14	0.690	17.53	0.675	17.15	0.660	16.76	0.800	20.32
76241-X55	0.230	5.84	0.130	3.30	0.235	5.97	0.220	5.59	0.205	5.21	0.430	10.92
76241-X56	0.455	11.56	0.455	11.56	0.460	11.68	0.445	11.30	0.430	10.92	0.980	24.89
					mat'l. code		surface		tolerance		projection	
					SEE NOTE 1		ASME Y14.5		ASME Y14.5			
					ltr		ecr no		date		tolerances unless otherwise specified	
					w						XX*01/X*3	
											XXX*005/XX*13	
											0°±5°	
											XXXX*0020/XXX*051	
											scale 1:1	
											product family	
											PIN PRODUCTS	
											title	
											BERGPIN® .200"[5.08]cc	
											.039"[0.99] DIA. STAR	
											WITH SOLDER WASHER	
											dwg no	
											sheet 4 of 4	
											size	
											76241	
											A4	
											type	
											CUSTOMER Drawing	
					sheet index		revision sheet					