

PRODUCT NUMBER SEE SHEET 3	AWG										WIRE BARREL				INSULATION DIAMETER RANGE				INSULATION BARREL				RECOMMENDED HANDTOOL FOR LOOSE PIECE APPLICATION
	RANGE		DIM A		DIM B		RADIUS C		INSULATION RANGE		DIM D		DIM E		RADIUS F								
	18-20		.104/2.64		.104/2.64		.021/.53		.042/1.07-.103/2.62		.139/3.53		.120/3.05		.050/1.27		HT-0095						
	22-26		.070/1.78		.070/1.78		.017/.43		.036/.91-.103/2.62		.139/3.53		.120/3.05		.050/1.27								
	28-32		.054/1.37		.058/1.47		.011/.28		.028/.71-.054/1.37		.115/2.92		.105/2.67		.040/1.02								

NOTES:

1. TERMINAL MATES WITH .025±.002/0.64±0.05 SQUARE OR ROUND PIN.
2. WHEN MEASURED ALONG DATUM -E- WITHIN .340/8.64 REF DIM.
3. PRODUCT SPECIFICATION: BUS-12-067.
APPLICATION SPECIFICATIONS:
TA-75: TERMINAL DATA FOR USE WITH MINI LATCH HOUSING.
TA-146: TERMINAL DATA FOR CONTACTS NOT USED IN HOUSINGS.
TA-210: TERMINAL DATA FOR CONTACTS USED WITH MINI ROD HOUSINGS.
TA-228: APPLICATIONS USING 20 AWG WIRE.
TA-531: INSTALLING AND REMOVING TERMINALS.
4. PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDERING PROCESSES.
6. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS.
7. CONTACT SIDE OF TERMINAL WILL HAVE 50μ"/1.27μm NICKEL UNDERPLATE OVERALL WITH GOLD FLASH REQUIRED INSIDE CONTACT BOX AND WIRE BARREL ONLY. BACKSIDE OF TERMINALS TO BE PLATED WITH 30μ"/0.76μm NICKEL ONLY.

mat'l. code				surface				projection				product family			
SEE TABLE				Tolerance				INCH/MM				PV TERMINALS			
ltr	ecn no	dr	date	tolerances unless otherwise specified				INCH/MM				title			
AN				angles	.XX±.01/.X±.3			linear	.XXX±.005/.XX±.13			MINI PV™ RECEPTACLE CRIMP TO WIRE			
					XXXX.000/XXX.051				scale 1:1			dwg no			
				dr	T. BREWBAKER 2006-04-18				T. BREWBAKER 2006-04-18			sheet 2 of 6			
				engr	T. BREWBAKER 2006-04-18				T. BREWBAKER 2006-04-18			size			
				chr	T. BREWBAKER 2006-04-18				T. BREWBAKER 2006-04-18			A3			
				appl	T. BREWBAKER 2006-04-18				T. BREWBAKER 2006-04-18			Product Customer Drawing			
sheet	revision														
index	sheet														

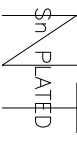
1		2		3		4		5		6		
MATERIAL & PLATING		SPRING THICKNESS DIM Ht..0005/0.012	AWG RANGE	REELED NOTE 4	LOOSE NOTE 4	PLATING AVAILABILITY						
1/ 4 HARD BRASS BODY	Be/Cu SPRING					-000	-000LF	-001	-001LF	-002	-002LF	
CONTACT AREA UNDERPLATING: 50μ"/1.27μ Ni CONTACT AREA: 15μ"/0.38μ Au INSIDE BOX AREA: -000LF Au FLASH -001LF 15μ"/0.38μ Au -002LF 6μ"/0.15μ Au REMAINDER: -000LF SEE NOTE 7 -001LF 15μ"/0.38μ Au -002LF Au FLASH	Au FLASH	.0035/0.089	18-20	48241	48250	NO	YES	NO	NO	NO	NO	
			22-26	48242	48251	NO	YES	NO	NO	NO	NO	
			28-32	48243	48252	NO	YES	NO	NO	NO	NO	
			18-20	48244	48253	NO	YES	NO	NO	NO	NO	
		.0048/0.122	22-26	48245	48254	NO	YES	NO	NO	NO	NO	NO
			28-32	48246	48255	NO	YES	NO	NO	NO	NO	NO
			18-20	94011	94014	NO	NO	NO	NO	NO	NO	OBS.
			22-26	94012	94015	NO	NO	NO	NO	NO	NO	OBS.
		.0058/0.147	28-32	94013	94016	NO	NO	NO	NO	NO	NO	OBS.
			18-20	48247	48256	NO	YES	NO	NO	NO	NO	NO
			22-26	48248	48257	NO	YES	NO	NO	NO	NO	NO
			28-32	48249	48258	NO	YES	NO	NO	NO	NO	NO
CONTACT AREA UNDERPLATING: 50μ"/1.27μ Ni CONTACT AREA: 30μ"/0.76μ Au INSIDE BOX AREA: -000LF Au FLASH -001LF 30μ"/0.76μ Au -002LF Au FLASH	Au FLASH	.0035/0.089	18-20	48231	48266	NO	YES	NO	NO	NO	NO	
			22-26	48049	48235	NO	YES	NO	NO	NO	NO	YES
			28-32	48048	48238	NO	YES	NO	NO	NO	NO	YES
			18-20	48047	48232	NO	YES	NO	NO	NO	NO	YES
		.0048/0.122	22-26	48046	48234	NO	YES	NO	NO	NO	NO	YES
			28-32	48045	48237	NO	YES	NO	NO	NO	NO	YES
			18-20	94017	94019	NO	NO	NO	NO	NO	NO	OBS.
			22-26	94018	94020	NO	NO	NO	NO	NO	NO	OBS.
		.0058/0.147	28-32	93259	94021	NO	NO	NO	NO	NO	NO	OBS.
			18-20	48052	48233	NO	YES	NO	NO	NO	NO	YES*
			22-26	48051	48236	NO	YES	NO	NO	NO	NO	YES
			28-32	48050	48239	NO	YES	NO	NO	NO	NO	YES




* LOOSE PIECE NOT AVAILABLE

mat'l. code		SEE TABLE		surface		tolerance		projection		product family	
lfr	ecn no	dr	date	tolerances unless otherwise specified		XX±.01/XX±.3		INCH/MM		title	
AN				angles		linear		scale 1:1		MINI PV™ RECEPTACLE	
				xxxx.000/xxx.051						CRIMP TO WIRE	
				dr T. BREWBAKER 2006-04-18						dwg no	
				engr T. BREWBAKER 2006-04-18						47212	
				chr T. BREWBAKER 2006-04-18						sheet 3 of 6	
				apprd T. BREWBAKER 2006-04-18						size	
sheet	revision									A3	
index	sheet									Product Customer Drawing	

1		2		3		4		5		6	
MATERIAL & PLATING		SPRING THICKNESS		AWG		REILED		LOOSE		PLATING AVAILABILITY	
1/4 HARD BRASS BODY	Be/Cu SPRING	DIM H±.0005/0.012	RANGE	NOTE 4	NOTE 4	-000	-000LF	-001	-001LF	-002	-002LF
CONTACT AREA UNDERPLATING: 50μ"/1.27μ Ni CONTACT AREA: 40μ"/1.02μ Au INSIDE BOX AREA: -000LF Au FLASH -001LF 8μ"/0.2μ Au -002LF 8μ"/0.2μ Au REMAINDER: -000LF SEE NOTE 7 -001LF 8μ"/0.2μ Au -002LF Au FLASH	Au FLASH	.0035/0.089	18-20	48276	N/A	NO	NO	NO	NO	NO	YES
			22-26	47457	47743	NO	YES	NO	YES	NO	YES
			28-32	47456	47742	NO	YES	NO	YES	NO	YES
			18-20	47441	47713	NO	YES	NO	YES	NO	YES
			22-26	47439	47712	NO	YES	NO	YES	NO	YES
		.0048/0.122	28-32	47437	47711	NO	YES	NO	YES	NO	YES
			18-20	94022	94025	NO	NO	NO	NO	NO	NO
			22-26	94023	94026	NO	NO	NO	NO	NO	NO
			28-32	94024	94027	NO	NO	NO	NO	NO	NO
			18-20	47566	47746	NO	YES	NO	YES	NO	YES
.0058/0.147	22-26	47565	47745	NO	YES	NO	YES	NO	YES		
	28-32	47564	47744	NO	YES	NO	YES	NO	YES		
	DISCONTINUED					48191	48194				
DISCONTINUED					48192	48195					
DISCONTINUED					48193	48196					
CONTACT AREA UNDERPLATING: 50μ"/1.27μ Ni CONTACT AREA: 75μ"/1.91μ Au INSIDE BOX AREA: -000LF Au FLASH -001LF 75μ"/1.91μ Au -002LF 30μ"/0.76μ Au REMAINDER: -000LF SEE NOTE 7 -001LF 75μ"/1.91μ Au -002LF 15μ"/0.38μ Au	Au FLASH	.0035/0.089	18-20	47785	48014	NO	YES	NO	NO	NO	
			22-26	47784	48015	NO	NO	NO	NO	NO	NO
			28-32	47783	48013	NO	NO	NO	NO	NO	NO
			18-20	47220	47707	NO	NO	NO	NO	NO	NO
			22-26	47216	47706	NO	YES	NO	NO	NO	NO
		.0048/0.122	28-32	47212	47705	NO	YES	NO	NO	NO	NO
			18-20	94028	94031	NO	NO	NO	NO	NO	NO
			22-26	94029	94032	NO	NO	NO	NO	NO	NO
			28-32	94030	94033	NO	NO	NO	NO	NO	NO
			DISCONTINUED					.0058/0.147			

[illegible]

1		2		3		4		5		6		
MATERIAL & PLATING		SPRING THICKNESS		AWG		REELLED		LOOSE		PLATING AVAILABILITY		
1/4 HARD BRASS BODY	Be/Cu SPRING	DIM H±.0005/0.012	RANGE	NOTE 4	NOTE 4	-000	-000LF	-001	-001LF	-002	-002LF	
PRE-PLATED: UNDERPLATING: 50μ/1.67μ IN OVERPLATING: 100-209μ/2.54-5.08μ 60/40 TIN LEAD "LF NOT AVAILABLE" SEE LEAD-FREE EQUIVALENTS BELOW		.0035/0.089	22-26	47445	47747	NO	NO	NO	NO	NO	OBS.	
			28-32	47446	47748	NO	NO	NO	NO	NO	NO	OBS.
			18-20	47221	47716	NO	NO	NO	NO	NO	NO	OBS.
			22-26	47217	47715	NO	NO	NO	NO	NO	NO	OBS.
			28-32	47213	47714	NO	NO	NO	NO	NO	NO	OBS.
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.
			22-26	94035	94038	NO	NO	NO	NO	NO	NO	OBS.
			28-32	94036	94039	NO	NO	NO	NO	NO	NO	OBS.
			18-20	47648	47749	NO	NO	NO	NO	NO	NO	OBS.
			22-26	47649	47750	NO	NO	NO	NO	NO	NO	OBS.
PRE-PLATED: -000LF 100-160μ 2.54-4.06μ Sn (LEAD-FREE) NOTE 6	Sn PLATED	.0065/0.165	28-32	47650	47751	NO	NO	NO	NO	NO	OBS.	
			22-26	47445	47747	NO	YES	NO	NO	NO	NO	OBS.
			28-32	47446	47748	NO	YES	NO	NO	NO	NO	OBS.
			18-20	47221	47716	NO	YES	NO	NO	NO	NO	OBS.
			22-26	47217	47715	NO	YES	NO	NO	NO	NO	OBS.
			28-32	47213	47714	NO	YES	NO	NO	NO	NO	OBS.
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.
			22-26	94035	94038	NO	NO	NO	NO	NO	NO	OBS.
			28-32	94036	94039	NO	NO	NO	NO	NO	NO	OBS.
			18-20	47648	47749	NO	YES	NO	NO	NO	NO	OBS.
PRE-PLATED: -000LF 100-160μ 2.54-4.06μ Sn (LEAD-FREE) NOTE 6	Sn PLATED	.0065/0.165	22-26	47649	47750	NO	YES	NO	NO	NO	OBS.	
			28-32	47650	47751	NO	YES	NO	NO	NO	NO	OBS.
			22-26	47217	47715	NO	YES	NO	NO	NO	NO	OBS.
			28-32	47213	47714	NO	YES	NO	NO	NO	NO	OBS.
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.
			22-26	94035	94038	NO	NO	NO	NO	NO	NO	OBS.
			28-32	94036	94039	NO	NO	NO	NO	NO	NO	OBS.
			18-20	47648	47749	NO	YES	NO	NO	NO	NO	OBS.
			22-26	47649	47750	NO	YES	NO	NO	NO	NO	OBS.
			28-32	47650	47751	NO	YES	NO	NO	NO	NO	OBS.

mat'l. code		surface		✓ tolerance		projection		product family	
SEE TABLE								PV TERMINALS	
lfr	ecn no	df	date	tolerances unless otherwise specified				title	
AN				angles		$\pm .01$ / $\pm .3$ $\pm .05$ / $\pm .13$		MINI PV™ RECEPTACLE CRIMP TO WIRE	
				linear		$\pm .020$ / $\pm .051$		dwg no	
				dfc		T. BREWBAKER 2006-04-18 T. BREWBAKER 2006-04-18 T. BREWBAKER 2006-04-18 T. BREWBAKER 2006-04-18		sheet 5 of 6 size	
				apprt				47212 A3	
sheet	revision							Product Customer Drawing	
index	sheet								

1		2			3			4			5			6															
MATERIAL & PLATING					SPRING THICKNESS					AWG					REELLED					LOOSE-PIECE									
1/4 HARD BRASS BODY					Be/Cu SPRING					DIM H \pm .0005/0.012					RANGE					NOTE 4					NOTE 4				
UNDERPLATING: 50u"X1.27u" Ni CONTACT AREA: 30u"/0.176u" CXT CONT Au FLASH INSIDE BOX AREA: -600 Au FLASH REMAINDER: -600 Au FLASH					.0035/0.089					18-20					48231-600					48266-600					OBS.				
										22-26					48049-600					48235-600					OBS.				
										28-32					48048-600					48238-600					OBS.				
										18-20					48047-600					48232-600					OBS.				
										22-26					48046-600					48234-600					OBS.				
										28-32					48045-600					48237-600					OBS.				
										18-20					94017-600					94019-600					OBS.				
										22-26					94018-600					94020-600					OBS.				
										28-32					93259-600					94021-600					OBS.				
										18-20					48052-600					48233-600					OBS.				
.0065/0.165					22-26					48051-600					48236-600					OBS.									
					28-32					48050-600					48239-600					OBS.									

mat'l code		surface		<input checked="" type="checkbox"/> tolerance		projection 		product family PV TERMINALS	
SEE TABLE								title	
lfr	ecrn no	dt	date	tolerances unless otherwise specified		INCH/MM		MINI PV™ RECEPTACLE	
				angles	linear			CRIMP TO WIRE	
					.XXX±.01 / .XX±.3 .XXX±.005 / .XX±.13 XXXX-0020 / XXXX-051	scale 1:1		dwg no	
				dr T.	BREWBAKER	2006-04-18		sheet 6 of 6 size	
				eng'g T.	BREWBAKER	2006-04-18		47212 A3	
				cdr T.	BREWBAKER	2006-04-18			
				appl'd T.	BREWBAKER	2006-04-18			
revision									
sheet index		sheet							
Product Customer Drawing									