




PRODUCT NUMBER SEE SHEET 3	WIRE BARREL				INSULATION BARREL				RECOMMENDED HANDTOOL FOR LOOSE PIECE APPLICATION
	AWG RANGE	DIM A	DIM B	RADIUS C	INSULATION RANGE DIAMETER	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-0073
	22-26	.070/1.78	.070/1.78	.017/.43	.036/.91-.103/2.62	.139/3.53	.120/3.05	.050/1.27	HT-0095
	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		tolerance	projection	product family	
SEE TABLE				✓				PV TERMINALS	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
AN				angles	linear			MINI PV™ RECEPTACLE CRIMP TO WIRE	
					XXXX+.005/XX±.13	XXXX+.002/XXX+.051	INCH /MM	dwg no	
								sheet 2 of 6 size	
				dr	T. BREWBAKER 2006-04-18			47212	
				engr	T. BREWBAKER 2006-04-18			Product Customer Drawing	
				chr	T. BREWBAKER 2006-04-18			A3	
				appt	T. BREWBAKER 2006-04-18				
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	
		.0048/0.122	18-20	48244	48253	NO	YES	NO	NO	NO	NO	
			22-26	48245	48254	NO	YES	NO	NO	NO	NO	
			28-32	48246	48255	NO	YES	NO	NO	NO	NO	
		.0058/0.147	18-20	94011	94014	NO	NO	NO	NO	NO	NO	
			22-26	94012	94015	NO	NO	NO	NO	NO	NO	
			28-32	94013	94016	NO	NO	NO	NO	NO	NO	
		.0065/0.165	18-20	48247	48256	NO	YES	NO	NO	NO	NO	
22-26	48248		48257	NO	YES	NO	NO	NO	NO			
28-32	48249		48258	NO	YES	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 8μ"/0.2μ Au REMAINDER: -000LF SEE NOTE 7 -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
		.0048/0.122	18-20	48047	48232	NO	YES	NO	NO	NO	NO	YES
			22-26	48046	48234	NO	YES	NO	NO	NO	NO	YES
			28-32	48045	48237	NO	YES	NO	NO	NO	NO	YES
		.0058/0.147	18-20	94017	94019	NO	NO	NO	NO	NO	NO	NO
			22-26	94018	94020	NO	NO	NO	NO	NO	NO	NO
			28-32	93259	94021	NO	NO	NO	NO	NO	NO	OBS.
		.0065/0.165	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	df	date	tolerances unless otherwise specified		XX±.01/XX±.3		INCH/MM		title	
AN				angles	linear	xxxx.005/xx±.13	scale 1:1	FCI		MINI PV™ RECEPTACLE	
						df	T. BREWBAKER 2006-04-18			dwg no	
							ENGR T. BREWBAKER 2006-04-18			47212	
							CHR. T. BREWBAKER 2006-04-18			sheet 3 of 6 size	
							APPR T. BREWBAKER 2006-04-18			A3	
sheet	revision									Product Customer Drawing	
index	sheet										

1		2 3		4		5					
MATERIAL & PLATING		SPRING THICKNESS	AWG	REELED	LOOSE	PLATING AVAILABILITY					
1/4 HARD BRASS BODY	Be/Cu SPRING	DIM Ht.:.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
.0065/0.165	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	NO
			22-26	47784	48015	NO	NO	NO	NO	NO	NO
			28-32	47783	48013	NO	NO	NO	NO	NO	NO
			18-20	47720	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
.0058/0.147	18-20	94028	94031	NO	NO	NO	NO	NO	NO	OBS.	
	22-26	94029	94032	NO	NO	NO	NO	NO	NO	OBS.	
	28-32	94030	94033	NO	NO	NO	NO	NO	NO	OBS.	

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/1.87μ OVERPLATING: 100-209μ/2.54-5.08μ 60/40 TIN LEAD	Sn PLATED	.0035/0.089	22-26	47445	47747	NO	NO	NO	NO	NO	NO
			28-32	47446	47748	NO	NO	NO	NO	NO	NO
			18-20	47221	47716	NO	NO	NO	NO	NO	NO
			22-26	47217	47715	NO	NO	NO	NO	NO	NO
			28-32	47213	47714	NO	NO	NO	NO	NO	NO
"LF NOT AVAILABLE" SEE LEAD-FREE EQUIVALENTS BELOW	Sn PLATED	.0065/0.165	18-20	94034	94037	NO	NO	NO	NO	NO	NO
			22-26	94035	94038	NO	NO	NO	NO	NO	NO
			28-32	94036	94039	NO	NO	NO	NO	NO	NO
			18-20	47648	47749	NO	NO	NO	NO	NO	NO
			22-26	47649	47750	NO	NO	NO	NO	NO	NO
PRE-PLATED: -000LF 100-160μ 2.54-4.06μ Sn (LEAD-FREE) NOTE 6	Sn PLATED	.0035/0.089	28-32	47650	47751	NO	NO	NO	NO	NO	NO
			22-26	47445	47747	NO	YES	NO	NO	NO	NO
			28-32	47446	47748	NO	YES	NO	NO	NO	NO
			18-20	47221	47716	NO	YES	NO	NO	NO	NO
			22-26	47217	47715	NO	YES	NO	NO	NO	NO
PRE-PLATED: -000LF 100-160μ 2.54-4.06μ Sn (LEAD-FREE) NOTE 6	Sn PLATED	.0048/0.122	28-32	47213	47714	NO	YES	NO	NO	NO	NO
			18-20	94034	94037	NO	NO	NO	NO	NO	NO
			22-26	94035	94038	NO	NO	NO	NO	NO	NO
			28-32	94036	94039	NO	NO	NO	NO	NO	NO
			18-20	47648	47749	NO	YES	NO	NO	NO	NO
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	NO
			28-32	47650	47751	NO	YES	NO	NO	NO	NO
			22-26	47649	47750	NO	YES	NO	NO	NO	NO
			28-32	47650	47751	NO	YES	NO	NO	NO	NO
			22-26	47649	47750	NO	YES	NO	NO	NO	NO

mat'l. code		SEE TABLE		surface	✓	tolerance	projection	product family
lfr	ecn no	df	date	tolerances unless otherwise specified				PV TERMINALS
AN			angles	linear		XXXX.0020/XXXX.051		title
						scale 1:1		MINI PV™ RECEPTACLE
			df. T. BREWBAKER	2006-04-18				CRIMP TO WIRE
			ejdf. T. BREWBAKER	2006-04-18				
			cln. T. BREWBAKER	2006-04-18				
			apdd. T. BREWBAKER	2006-04-18				
sheet	revision							type
index	sheet							Product Customer Drawing

MATERIAL & PLATING		SPRING THICKNESS	AWG	REELED	LOOSE-PIECE	
1/4 HARD BRASS BODY	Be/Cu SPRING	DIM H±.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.
		.0048/0.122	18-20	48047-600	48232-600	OBS.
			22-26	48046-600	48234-600	OBS.
			28-32	48045-600	48237-600	OBS.
		.0058/0.147	18-20	94017-600	94019-600	OBS.
			22-26	94018-600	94020-600	OBS.
			28-32	93259-600	94021-600	OBS.
		.0065/0.165	18-20	48052-600	48233-600	OBS.
			22-26	48051-600	48236-600	OBS.
			28-32	48050-600	48239-600	OBS.

mat'l code		surface		tolerance		projection		product family	
SEE TABLE		✓						PV TERMINALS	
lfr	ecrn no	dt	date	tolerances unless otherwise specified				title	
AN				angles	linear			MINI PV™ RECEPTACLE CRIMP TO WIRE	
					$\pm .XX \pm .01 / \pm .X \pm .3$ $\pm .XXX \pm .005 / \pm .XX \pm .13$ $\pm .XXX \pm .020 / \pm .XXX \pm .051$			sheet 6 of 6 size A3	
				dt	I. BREWBAKER 2006-04-18	scale 1:1		dwg no 47212	
				dt	I. BREWBAKER 2006-04-18				
				dt	I. BREWBAKER 2006-04-18				
				dt	I. BREWBAKER 2006-04-18				
				dt	I. BREWBAKER 2006-04-18				
				dt	I. BREWBAKER 2006-04-18				
sheet index	revision		dt		dt			type Product Customer Drawing	