

PRODUCT NUMBER	AWG	WIRE BARREL			INSULATION BARREL				RECOMMENDED HANDTOOL FOR LOOSE PIECE APPLICATION
SEE SHEET 3	RANGE	DIM A	DIM B	RADIUS C	INSULATION DIAMETER 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-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 SEE TABLE				surface ☒		tolerance		projection		product family PV TERMINALS	
ltr	ecm no	dr	date	tolerances unless otherwise specified						title	
AN				angles	linear	.XX±.01/.X±.3 .XXX±.005/.XX±.13 XXXX±.0020/.XXX±.051		INCH/MM		MINI PV™ RECEPTACLE CRIMP TO WIRE	
								scale 1:1		dwg no	
				dr	T. BREWBAKER	2006-04-18				sheet 2 of 6	
				engr	T. BREWBAKER	2006-04-18				47212	
				chr	T. BREWBAKER	2006-04-18				A3	
				appd	T. BREWBAKER	2006-04-18				type Product Customer Drawing	
sheet index	revision			sheet							

1		2		3						4		5		6
MATERIAL & PLATING		SPRING THICKNESS DIM H±.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	NO		
			22-26	48245	48254	NO	YES	NO	NO	NO	NO	NO		
			28-32	48246	48255	NO	YES	NO	NO	NO	NO	NO		
		.0058/0.147	18-20	94011	94014	NO	NO	NO	NO	NO	NO	NO	OBS.	
			22-26	94012	94015	NO	NO	NO	NO	NO	NO	NO	OBS.	
			28-32	94013	94016	NO	NO	NO	NO	NO	NO	NO	OBS.	
		.0065/0.165	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 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	OBS.	
			22-26	94018	94020	NO	NO	NO	NO	NO	NO	NO	OBS.	
			28-32	93259	94021	NO	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 INCH/MM		product family PV TERMINALS	
ltr	ecr no	dr	date	tolerances unless otherwise specified		linear scale 1:1		FCI	
AN				angles					
				linear				title MINI PV™ RECEPTACLE CRIMP TO WIRE	
				linear				dwg no 47212	
				linear				sheet 3 of 6	
				linear				size A3	
				linear				type Product Customer Drawing	
sheet index	revision sheet								

1		2		3		4		5		6	
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form: A3

mat'l. code SEE TABLE				surface ✓		tolerance tolerances unless otherwise specified		projection INCH/MM		product family PV TERMINALS	
ltr	ecr no	dr	date	angles	linear	.XX±.01/.X±.3 .XXX±.005/.XX±.13 XXXX±.0020/.XXX±.051		scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
AN										dwg no 47212	
						dr T. BREWBAKER 2006-04-18		engr T. BREWBAKER 2006-04-18		sheet 3 of 6	
						chr T. BREWBAKER 2006-04-18		appd T. BREWBAKER 2006-04-18		size A3	
sheet index		revision sheet								type Product Customer Drawing	



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1		2		3		4		5		6	
MATERIAL & PLATING		SPRING THICKNESS		AWG		REELED		LOOSE		PLATING AVAILABILITY	
1/4 HARD BRASS BODY		Be/Cu SPRING		DIM H±.0005/0.012		RANGE		NOTE 4		NOTE 4	

mat'l. code SEE TABLE				surface ✓		tolerance tolerances unless otherwise specified		projection INCH/MM		product family PV TERMINALS	
ltr	ecr no	dr	date	angles	linear	.XX±.01/.X±.3 .XXX±.005/.XX±.13 XXXX±.0020/.XXX±.051		scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
AN										dwg no 47212	
						dr T. BREWBAKER 2006-04-18		engr T. BREWBAKER 2006-04-18		sheet 4 of 6	
						chr T. BREWBAKER 2006-04-18		appd T. BREWBAKER 2006-04-18		size A3	
sheet index		revision sheet								type Product Customer Drawing	

MATERIAL & PLATING		SPRING THICKNESS DIM H±.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	
PRE-PLATED: UNDERPLATING: 50μ"/1.27μ" Ni OVERPLATING: 100-200μ"/2.54-5.08μ" 60/40 TIN LEAD "LF NOT AVAILABLE" SEE LEAD-FREE EQUIVALENTS BELOW	Sn PLATED	.0035/0.089	22-26	47445	47747	NO	NO	NO	NO	NO	NO	OBS.
			28-32	47446	47748	NO	NO	NO	NO	NO	NO	OBS.
		.0048/0.122	18-20	47221	47716	NO	NO	NO	NO	NO	NO	OBS.
			22-26	47217	47715	NO	NO	NO	NO	NO	NO	OBS.
		.0058/0.147	28-32	47213	47714	NO	NO	NO	NO	NO	NO	OBS.
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.
		.0065/0.165	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.
			28-32	47650	47751	NO	NO	NO	NO	NO	NO	OBS.
PRE-PLATED: -000LF 100-160μ" 2.54-4.06μ" Sn (LEAD-FREE) NOTE 6	Sn PLATED	.0035/0.089	22-26	47445	47747	NO	YES	NO	NO	NO	NO	
			28-32	47446	47748	NO	YES	NO	NO	NO	NO	
		.0048/0.122	18-20	47221	47716	NO	YES	NO	NO	NO	NO	
			22-26	47217	47715	NO	YES	NO	NO	NO	NO	
		.0058/0.147	28-32	47213	47714	NO	YES	NO	NO	NO	NO	
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.
		.0065/0.165	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	
			22-26	47649	47750	NO	YES	NO	NO	NO	NO	
			28-32	47650	47751	NO	YES	NO	NO	NO	NO	

mat'l. code SEE TABLE				surface ✓		tolerance tolerances unless otherwise specified		projection INCH/MM		product family PV TERMINALS	
ltr	ecr no	dr	date	angles	linear	.XX±.01/.X±.3 .XXX±.005/.XX±.13 XXXX±.0020/.XXX±.051		scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
AN										sheet 5 of 6	
				dr	T. BREWBAKER	2006-04-18		FCJ		size A3	
				engr	T. BREWBAKER	2006-04-18				dwg no 47212	
				chr	T. BREWBAKER	2006-04-18				type Product Customer Drawing	
				appd	T. BREWBAKER	2006-04-18					
sheet index	revision sheet										

MATERIAL & PLATING		SPRING THICKNESS DIM H±.0005/0.012	AWG RANGE	REELED NOTE 4	LOOSE-PIECE NOTE 4	
1/4 HARD BRASS BODY	Be/Cu SPRING					
UNDERPLATING: 50u"X1.27u Ni CONTACT AREA: 30u"/0.76u GXT INSIDE BOX AREA: -600 Au FLASH REMAINDER: -600 Au FLASH	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 SEE TABLE				surface ✓	tolerance tolerances unless otherwise specified	projection INCH/MM	product family PV TERMINALS
ltr	ecn no	dr	date	angles	linear	scale 1:1	title MINI PV™ RECEPTACLE CRIMP TO WIRE
AN					.XX±.01/.X±.3 .XXX±.005/.XX±.13 XXXXX±.0020/.XXX±.051		
				dr	T. BREWBAKER 2006-04-18		sheet 6 of 6
				engr	T. BREWBAKER 2006-04-18		size A3
				chr	T. BREWBAKER 2006-04-18		
				appd	T. BREWBAKER 2006-04-18		
sheet index	revision sheet						type Product Customer Drawing