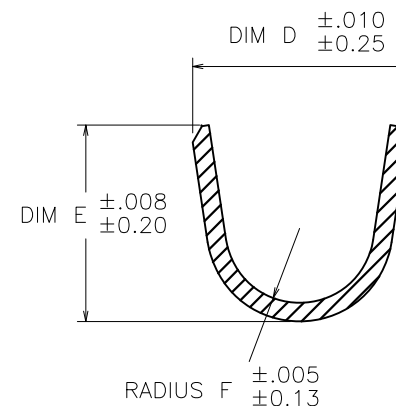
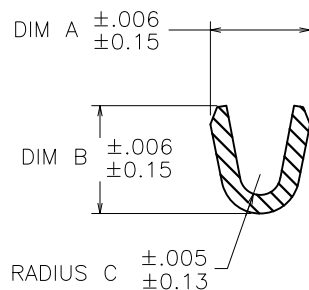
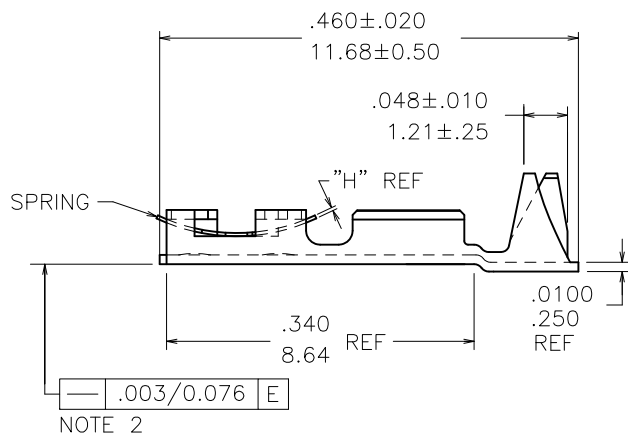
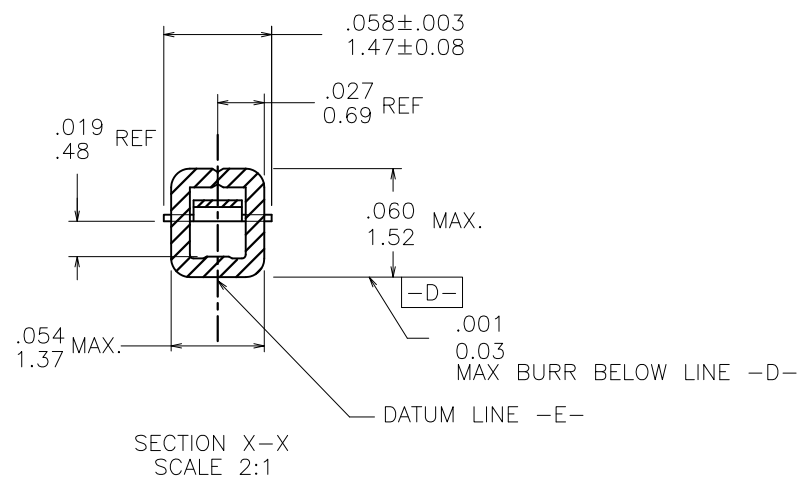
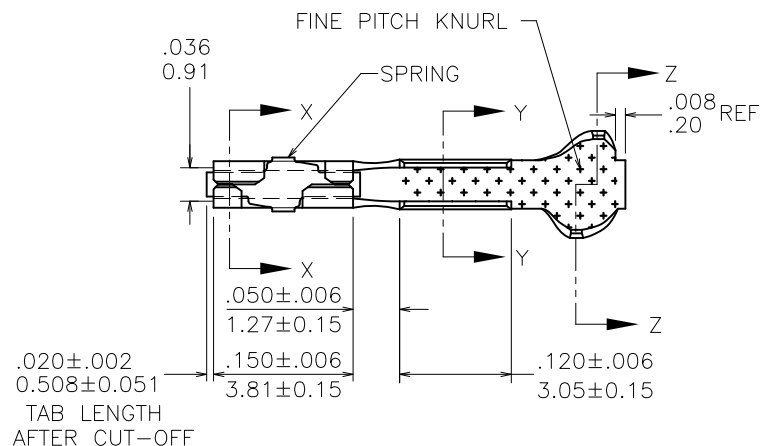


PRODUCT NUMBER
SEE SHEET 3



mat'l. code				surface	tolerance	projection	product family
SEE TABLE				✓			PV TERMINALS
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title
AG	v07-0218	HTB	2007-03-16	angles	.XX±.01/.X±.3		MINI PV™ RECEPTACLE
AH	v08-0113	HTB	2008-03-28	linear	.XXX±.005/.XX±.13	scale 5:1	CRIMP TO WIRE
AJ	F08-0159	HTB	2008-04-16		.XXXX±.0020/.XXX±.051		
AK	F08-0189	HTB	2008-06-25	dr	T. BREWBAKER	2006-04-18	dwg no
AL	v08-0510	HTB	2008-12-02	engr	T. BREWBAKER	2006-04-18	sheet 1 of 6
AM	V10-0359	HTB	2010-09-15	chr	T. BREWBAKER	2006-04-18	size
AN	V12-0006	HTB	2012-01-05	appd	T. BREWBAKER	2006-04-18	A3
sheet	revision	AN	AN	AN	AN	AN	type
index	sheet	1	2	3	4	5	Product Customer Drawing

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	ecn 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				size	
				chr	T. BREWBAKER	2006-04-18				A3	
				appd	T. BREWBAKER	2006-04-18				type	
sheet index	revision			sheet						Product Customer Drawing	



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form A3

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	NO	
			28-32	48243	48252	NO	YES	NO	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 ⌀		product family PV TERMINALS		
ltr ecn no dr date				tolerances unless otherwise specified						title		
AN				angles		linear		INCH/MM		MINI PV™ RECEPTACLE CRIMP TO WIRE		
						.XX±.01/.X±.3		scale 1:1		dwg no sheet 3 of 6 size		
						.XXX±.005/.XX±.13				47212 A3		
						.XXXX±.0020/.XXX±.051				type Product Customer Drawing		
				dr T. BREWBAKER 2006-04-18				FCI				
				engr T. BREWBAKER 2006-04-18								
				chr T. BREWBAKER 2006-04-18								
				appd T. BREWBAKER 2006-04-18								
sheet index		revision sheet										

1	2	3	4	5	6
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1

2

3

4

5

6

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		FCI		sheet 3 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										



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form A3

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	−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	
		.0048/0.122	18−20	47441	47713	NO	YES	NO	YES	NO	YES	
			22−26	47439	47712	NO	YES	NO	YES	NO	YES	
			28−32	47437	47711	NO	YES	NO	YES	NO	YES	
		.0058/0.147	18−20	94022	94025	NO	NO	NO	NO	NO	NO	OBS.
			22−26	94023	94026	NO	NO	NO	NO	NO	NO	OBS.
			28−32	94024	94027	NO	NO	NO	NO	NO	NO	OBS.
		.0065/0.165	18−20	47566	47746	NO	YES	NO	YES	NO	YES	
			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	OBS.
			28−32	47783	48013	NO	NO	NO	NO	NO	NO	OBS.
		.0048/0.122	18−20	47220	47707	NO	NO	NO	NO	NO	NO	OBS.
			22−26	47216	47706	NO	YES	NO	NO	NO	NO	
			28−32	47212	47705	NO	YES	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.

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

1		2		3		4		5		6	
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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		scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
AN										dwg no 47212	
										sheet 4 of 6	
										size A3	
										type Product Customer Drawing	
sheet	revision										
index	sheet										

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.
		.0065/0.165	18-20	47648	47749	NO	NO	NO	NO	NO	NO	OBS.
			22-26	47649	47750	NO	NO	NO	NO	NO	NO	OBS.
		.0065/0.165	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.
		.0065/0.165	18-20	47648	47749	NO	YES	NO	NO	NO	NO	
			22-26	47649	47750	NO	YES	NO	NO	NO	NO	
		.0065/0.165	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		projection		product family PV TERMINALS			
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 1:1		title			
AN				angles	linear			.XX±.01/.X±.3 .XXX±.005/.XX±.13 .XXXX±.0020/.XXX±.051		MINI PV™ RECEPTACLE CRIMP TO WIRE	
				dr	T. BREWBAKER	2006-04-18		sheet 6 of 6			
				engr	T. BREWBAKER	2006-04-18		size			
				chr	T. BREWBAKER	2006-04-18		A3			
				appd	T. BREWBAKER	2006-04-18					
sheet index		revision sheet						type Product Customer Drawing			