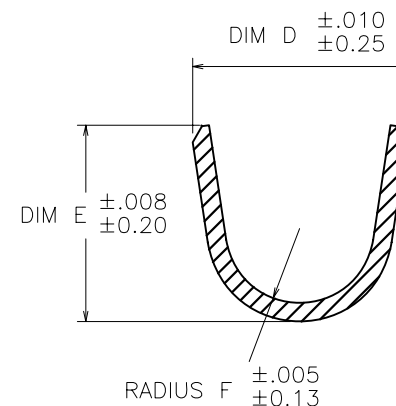
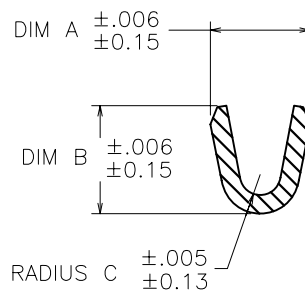
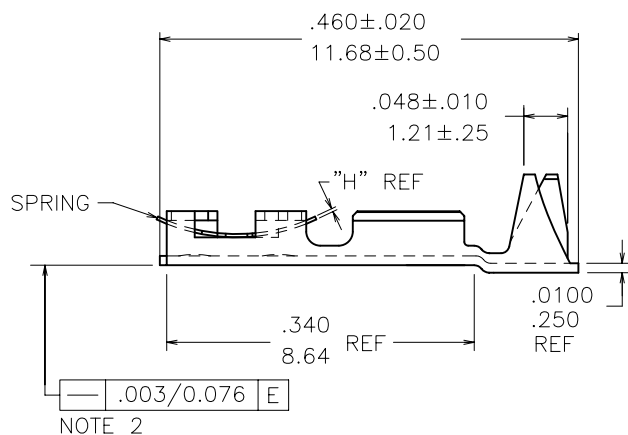
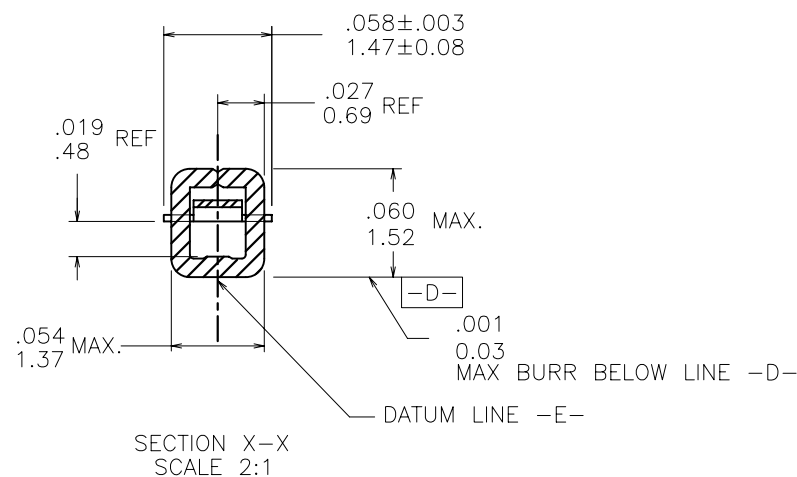
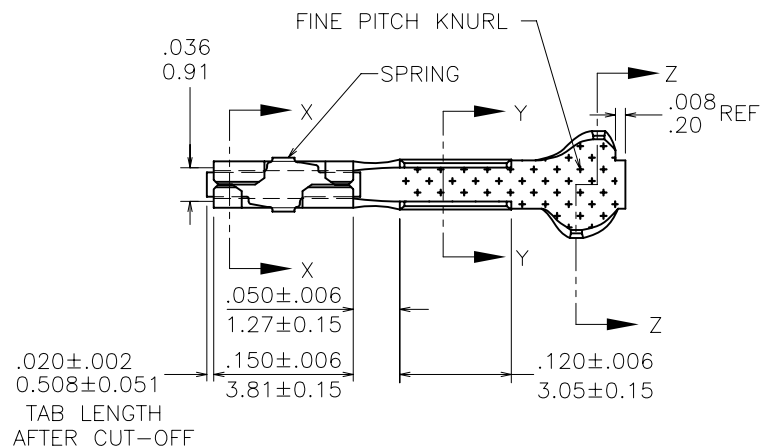


PRODUCT NUMBER
SEE SHEET 3



mat'l. code				surface	tolerance	projection	product family
SEE TABLE				✓		⊕	PV TERMINALS
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 5:1	title
AG	v07-0218	HTB	2007-03-16	angles	linear		MINI PV™ RECEPTACLE CRIMP TO WIRE
AH	v08-0113	HTB	2008-03-28				
AJ	F08-0159	HTB	2008-04-16				
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
-	-	-	-	chr	T. BREWBAKER	2006-04-18	size
AF	v06-0303	HTB	2006-04-18	appd	T. BREWBAKER	2006-04-18	A3
sheet	revision	AL	AL	AL	AL	AL	type
index	sheet	1	2	3	4	5	Product Customer Drawing

PRODUCT NUMBER	AWG	WIRE BARREL			INSULATION BARREL			
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
	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 $.025 \pm .002 / 0.64 \pm 0.05$ 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 REMAINDER OF TOP OF PART TO BE GOLD FLASH OVER $50\mu'' / 1.27\mu\text{m}$ NICKEL.
BACKSIDE OF TERMINALS TO BE PLATED WITH $30\mu'' / 0.76\mu\text{m}$ NICKEL ONLY.

mat'l. code SEE TABLE				surface <input checked="" type="checkbox"/>		tolerance		projection 		product family PV TERMINALS	
ltr	ecn no	dr	date	tolerances unless otherwise specified						title	
AL				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									



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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		
AL				angles		linear .XX±.01/.X±.3 .XXX±.005/.XX±.13 .XXXX±.0020/.XXX±.051		INCH/MM scale 1:1		MINI PV™ RECEPTACLE CRIMP TO WIRE		
				dr		T. BREWBAKER 2006-04-18		FCI		dwg no sheet 3 of 6 size		
				engr		T. BREWBAKER 2006-04-18				47212 A3		
				chr		T. BREWBAKER 2006-04-18				type Product Customer Drawing		
				appd		T. BREWBAKER 2006-04-18						
sheet index		revision sheet										

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	ec'n 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	
AL										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									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	
AL										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	

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		
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.		
			28-32	47213	47714	NO	NO	NO	NO	NO	NO	OBS.		
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.		
		.0058/0.147	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			
			28-32	47213	47714	NO	YES	NO	NO	NO	NO			
			18-20	94034	94037	NO	NO	NO	NO	NO	NO	OBS.		
		.0058/0.147	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			
		.0065/0.165	28-32	47650	47751	NO	YES	NO	NO	NO	NO			

mat'l. code				surface		tolerance		projection		product family			
SEE TABLE				✓				⌀		PV TERMINALS			
ltr		ecn no		dr		date		tolerances unless otherwise specified		title			
AL								angles		MINI PV™ RECEPTACLE			
								linear		CRIMP TO WIRE			
										scale 1:1			
										dwg no		sheet 5 of 6	
										47212		A3	
										type		Product Customer Drawing	
sheet index		revision		sheet									

form: A3

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 XXXXX±.0020/.XXX±.051		scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
				dr		T. BREWBAKER 2006-04-18		FCJ		dwg no 47212	
				engr		T. BREWBAKER 2006-04-18				sheet 5 of 6	
				chr		T. BREWBAKER 2006-04-18				size A3	
				appd		T. BREWBAKER 2006-04-18				type Product Customer Drawing	
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 <input checked="" type="checkbox"/> tolerance		projection 		product family PV TERMINALS	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 1:1		title MINI PV™ RECEPTACLE CRIMP TO WIRE	
AL				angles	linear				
				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	