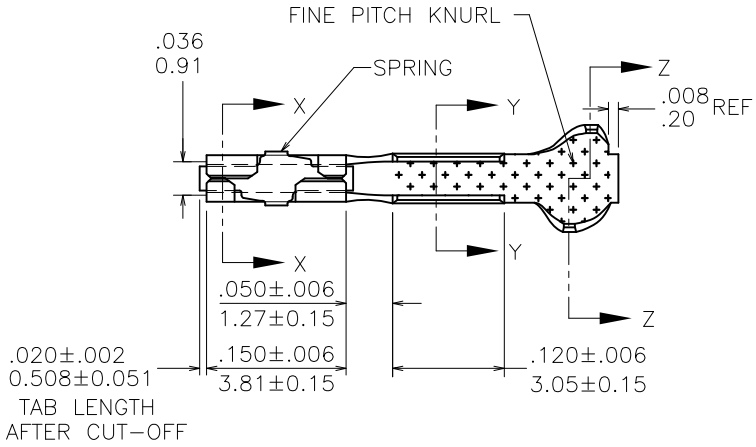
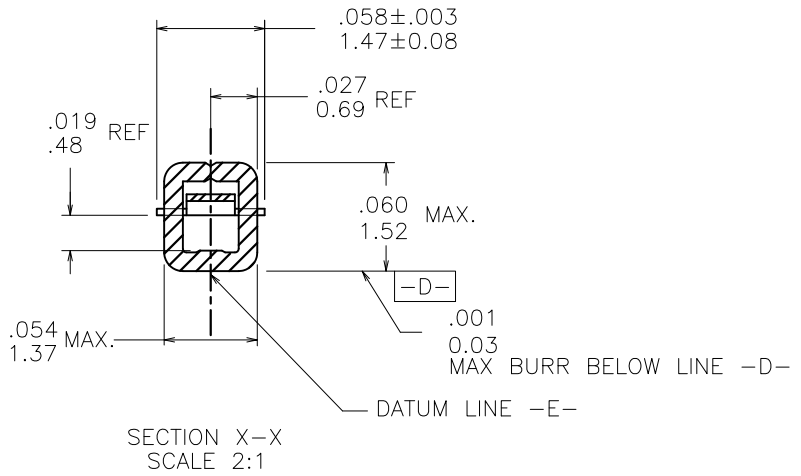
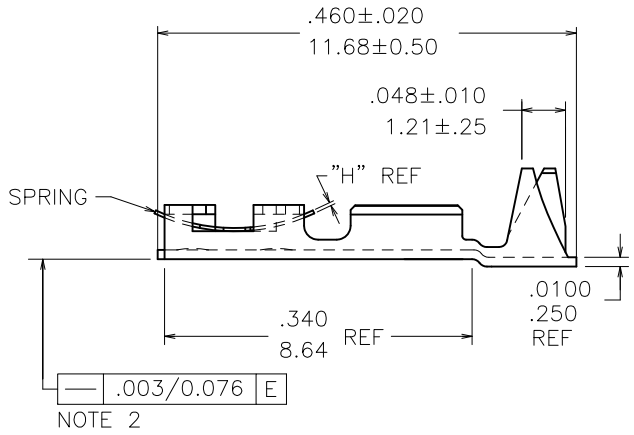
PRODUCT NUMBER
SEE SHEET 3

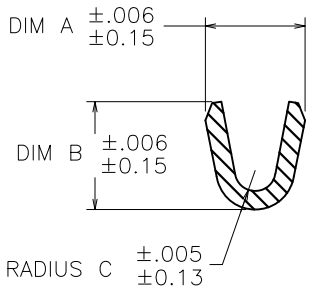




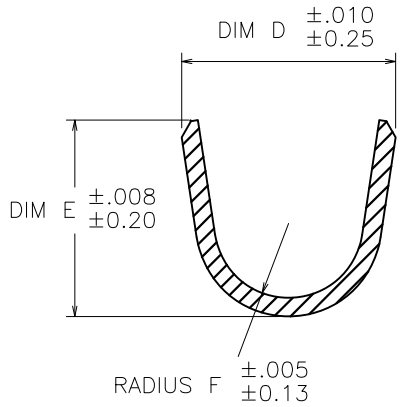
SECTION X–X
SCALE 2:1



NOTE 2



SECTION Y–Y
WIRE BARREL
SCALE 2:1



SECTION Z–Z
INSULATION BARREL
SCALE 2:1

mat'l. code	surface	tolerance	projection	product family
SEE TABLE				PV TERMINALS

ltr	ecn no	dr	date
AG	V07–0218	HTB	2007-03-16
AH	V08–0113	HTB	2008-03-28
AJ	F08–0159	HTB	2008-04-16
AK	F08–0189	HTB	2008-06-25
AL	V08–0510	HTB	2008-12-02
AM	V10–0359	HTB	2010-09-15
AN	V12–0006	HTB	2012-01-05

tolerances unless otherwise specified
angles
linear
.XX±.01/.X±.3
.XXX±.005/.XX±.13
.XXXX±.0020/.XXX±.051
INCH/MM
scale 5:1

dr	T. BREWBAKER	2006-04-18
engr	T. BREWBAKER	2006-04-18
chr	T. BREWBAKER	2006-04-18
appd	T. BREWBAKER	2006-04-18

title
MINI PV™ RECEPTACLE
CRIMP TO WIRE

dwg no 47212 | sheet 1 of 6 | size A3

type Product Customer Drawing

sheet index	revision	AN	AN	AN	AN	AN	AN
	sheet	1	2	3	4	5	6

FCIconnect.com
Copyright FCI
form: A3

PDM: Rev:AN STATUS Released Printed: Jul 14, 2012

PRODUCT NUMBER
SEE SHEET 3

AWG	WIRE BARREL			INSULATION BARREL				RECOMMENDED HANDTOOL FOR LOOSE PIECE APPLICATION
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	surface	tolerance	projection	product family
SEE TABLE	√			PV TERMINALS

ltr	ecn no	dr	date
AN			

tolerances unless otherwise specified
angles
linear .XX±.01/.X±.3 .XXX±.005/.XX±.13 .XXXX±.0020/.XXX±.051

INCH/MM

scale 1:1

title: MINI PV™ RECEPTACLE CRIMP TO WIRE

dr	T. BREWBAKER	2006-04-18
engr	T. BREWBAKER	2006-04-18
chr	T. BREWBAKER	2006-04-18
appd	T. BREWBAKER	2006-04-18

dwg no 47212 | sheet 2 of 6 | size A3

type Product Customer Drawing

sheet index | revision sheet

Copyright FCI
FCIconnect.com
form: A3

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	
			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~~	OBS.
			~~22-26~~	~~94012~~	~~94015~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	OBS.
			~~28-32~~	~~94013~~	~~94016~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	OBS.
		.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	YES	
			28-32	48048	48238	NO	YES	NO	NO	NO	YES	
		.0048/0.122	18-20	48047	48232	NO	YES	NO	NO	NO	YES	
			22-26	48046	48234	NO	YES	NO	NO	NO	YES	
			28-32	48045	48237	NO	YES	NO	NO	NO	YES	
		.0058/0.147	~~18-20~~	~~94017~~	~~94019~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	OBS.
			~~22-26~~	~~94018~~	~~94020~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	OBS.
			~~28-32~~	~~93259~~	~~94021~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	~~NO~~	OBS.
		.0065/0.165	18-20	48052	48233	NO	YES	NO	NO	NO	YES*	
			22-26	48051	48236	NO	YES	NO	NO	NO	YES	
			28-32	48050	48239	NO	YES	NO	NO	NO	YES	

* LOOSE PIECE NOT AVAILABLE

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

ltr	ecn no	dr	date
AN			

sheet index | revision sheet

FCIconnect.com
Copyright FCI
form: A3

PDM: Rev:AN STATUS Released Printed: Jul 14, 2012

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	
D I S C O N T I N U E D				48191	48194							
D I S C O N T I N U E D				48192	48195							
D I S C O N T I N U E D				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: SEE TABLE	surface	tolerance	projection	product family: PV TERMINALS			
ltr / ecn no / dr / date: AN	tolerances unless otherwise specified		INCH/MM	title: MINI PV™ RECEPTACLE CRIMP TO WIRE			
	angles	linear: .XX±.01/.X±.3; .XXX±.005/.XX±.13; .XXXX±.0020/.XXX±.051	scale 1:1				
	dr T. BREWBAKER 2006-04-18			dwg no: 47212	sheet 4 of 6	size: A3	
	engr T. BREWBAKER 2006-04-18			type: Product Customer Drawing			
	chr T. BREWBAKER 2006-04-18						
	appd T. BREWBAKER 2006-04-18						
sheet index / revision sheet							

FCIconnect.com
Copyright FCI

form: A3

PDM: Rev:AN STATUS Released Printed: Jul 14, 2012

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.
			28-32	47213	47714	NO	NO	NO	NO	NO	NO	OBS.
		.0058/0.147	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.
		.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.
			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	
		.0058/0.147	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.
		.0065/0.165	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	

CONTINUED

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

FCIconnect.com
Copyright FCI
form: A3

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.

CONTINUED

FCIconnect.com

Copyright FCI

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

form: A3

PDM: Rev:AN STATUS Released Printed: Jul 14, 2012