

TOOL NUMBER -1 -3 -1 △	WIRE SIZE mm ² [AWG] -3 △	INSULATION DIAMETER mm [in.] △	INSUL. ADJ.	FLIP LOCATOR △	STRIP LENGTH mm [in.] △	CRIMP HEIGHT mm [in.] △	CONTACT PART NUMBERS △		CONTACT DESCRIPT.	APPLIC. SPECIF.		
							LOOSE PIECE	STRIP FORM				
91507-1 91507-3	0.20-0.50 [24-20]	1.14-1.78 [.045-.070]	NO	NO	3.56 ± 0.39 [.140 ± .0155]	0.84 ± 0.05 [.033 ± .002]	60789-[] 61276-[]	60598-[] 61119-[]	.058 DIAMETER PC CONTACT	114-1008		
91526-1 91526-3	0.12-0.38 [26-22]	1.27-2.92 [.050-.115]	YES	NO	3.96 ± 0.38 [.156 ± .015]	0.71 ± 0.057 [.028 ± .002]	350666-[] 640545-[] 0.97 ± 0.057 [.038 ± .002]	350665-[] 350967-[] 640580-[] 641300-[]	MINIATURE RECTANGULAR CONTACTS	114-1014		
91531-1 91531-3	0.12-0.35 [26-22] PIN					104505-3 104505-5 104505-7	104505-2 104505-4 104505-6					
	0.12-0.35 [26-22] RECP	0.91-1.37 [.036-.054]	YES	YES	3.56 ± 0.38 [.140 ± .015]	0.76 ± 0.05 [.030 ± .002]	531216-2 531216-4 530553-3 530553-5 530553-7 531224-7	104480-7 104480-8 104480-9 1-104480-4 1-104480-5 1-104480-6	531216-1 531216-3 530553-3 530553-5 530553-7 531224-6	104480-1 104480-2 104480-3 104480-4 1-104480-2 1-104480-3	1-104480-7	114-25021
91534-1 91534-3	0.12-0.24 [26-24]	0.64-1.27 [.025-.050]	YES	NO	3.96 ± 0.38 [.156 ± .015]	0.71 ± 0.05 [.028 ± .002]	640579-[] 794001-[]	350968-[] 794000-[]	MINIATURE RECTANGULAR CONTACTS	114-1014		
91535-1 91535-3	0.20-0.35 [24-22]	1.22-2.03 [.048-.080]	YES	NO	3.56 ± 0.38 [.140 ± .015]	0.84 ± 0.05 [.033 ± .002]	531477-3 531477-5 583853-4 0.99 ± 0.05 [.039 ± .002]	583853-9 1-583853-1 531477-4 583853-1	531477-1 531477-2 531477-4 583853-1	583853-3 583853-7 583853-8 1-583853-0	TWIN LEAF CONTACTS	114-9004
	0.50-0.56 [20]					583853-5		583853-2	1-583853-3			
91537-1 91537-3	0.12-0.22 [26-24]	1.02-1.42 [.040-.056]	NO	NO	3.18 ± 0.38 [.125 ± .015]	0.622 ± .038 [.0245 ± .0015]	86561-[] 86571-[]	88067-[] 181270-[]	86557-[] 86566-[]	88067-2	FLEXIBLE FLAT CABLE CONNECTORS	114-16003 114-16007 114-16015 114-20004
	1.02-1.75 [.040-.069]	86658-2 86657-2					86561-[] 86571-[]	88067-[] 181270-[]	86557-[] 86566-[]	88067-2		
	0.30-0.35 [22]	1.02-1.42 [.040-.056]				0.71 ± 0.05 [.028 ± .002]	86658-2 86657-2	86656-2 86655-2	86557-[] 86566-[]	88067-2		
	1.02-1.75 [.040-.069]	86658-2 86657-2				86658-2 86657-2	86656-2 86655-2	86557-[] 86566-[]	88067-2			
91538-1 91538-3	0.05-0.56 [30-20]	0.76-2.16 [.030-.085]	NO	NO	5.16 ± 0.38 [.203 ± .015]	1.09 ± 0.05 [.043 ± .002]	SEE INSTRUCTION SHEET 408-10274				TYPE II SCREW MACHINE CONTACT	114-10026

1 LIST OF APPLIED CONTACT PART NUMBERS
MAY NOT BE COMPLETE AND IS SUBJECT
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THE TOOLING ASSISTANCE CENTER :
1-800-722-1111.

2. AMP, CERTI-CRIMP & AMP-BLADE
ARE TRADEMARKS.

△ 3 -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY.
-3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

4. THE HAND TOOL INSTRUCTION SHEET,
ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II
TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR
USE IS 408-10414. THE 91538-1 AND -3 TOOL
USE IS 408-10274.

CFRTI-CRIMP TT DATA SHEET

Dwg No. 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1 -3 -1	WIRE SIZE mm ² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS ¹		CONTACT DESCRIPT.	APPLIC. SPECIF.
									LOOSE PIECE	STRIP FORM		
91539-1 91539-3	0.30-0.89 [22-18]	NO	NO	6.35 ± 0.38 [.250 ± .015]	1.60 ± 0.05 [.063 ± .002]	PIN - 201751-[]	SOCKET 202725-[]	PIN 200681-[] 200336-[] 204274-[] 204219-[] 207893-[]	SOCKET 202726-[]	COLOR: GREEN BARREL BLUE SHOULDER	TYPE II SCREW MACHINE CONTACT	114-10026
	2x0.75 [2x18]									COLOR: BLUE SHOULDER		
	0.75-1.42 [18-16]									COLOR: BLUE BARREL BLUE SHOULDER		
	2.00-2.27 [14]									COLOR: VIOLET BARREL BLUE SHOULDER		
91540-1 91540-3	0.12-0.35 [26-22]	0.91-1.42 [.036-.056]	YES	NO	3.56 ± 0.38 [.140 ± .015]	0.76 ± 0.05 [.030 ± .002]	530553-5 530553-7	531216-2 531216-4 531224-7	530553-1 530553-2 530553-4	530553-6 531216-1 531216-3	TANDEM SPRING & MINI-TANDEM SPRING CONTACTS	114-25021
	0.03-0.09 [32-28]	0.64-1.37 [.025-.054]					0.56 ± 0.05 [.022 ± .002]	531225-3 530901-3	530901-5 530901-7	531225-6 530901-1 530901-2	530901-4 530901-6	
91544-1 91544-3	0.20-0.35 [24-22]	1.58 MAX [.062] MAX	YES	NO	3.96 ± 0.38 [.156 ± .015]	0.724 ± 0.051 [.0285 ± .002]	164169-[] 164170-[]	203802-[] 203816-[]	164153-[] 164155-[]	203801-[] 203815-[]	TYPE XI CONTACT	114-10002
	0.50-0.56 [20]						0.876 ± 0.051 [.0345 ± .002]	166296-[] 166297-[]	166046-[] 166047-[]	203801-[] 203815-[]		
91546-1 91546-3	0.50-0.89 [20-18]	2.03-2.54 [.080-.100]	NO	NO	4.76 ± 0.38 [.188 ± .015]	1.42 ± 0.05 [.056 ± .002]	41667		41650		TAPER PIN CONTACT	114-7006
91547-1 91547-3	0.20-0.35 [24-22]	1.02-1.52 [.040-.060]	NO	NO	3.18 ± 0.38 [.125 ± .015]	0.89 ± 0.05 [.035 ± .002]	41661 41662	41663	41278 41640	41646 66113-3	TAPER PIN CONTACT	114-7006
91555-1 91555-3	0.20-0.56 [24-20]	1.02-1.78 [.040-.070]	NO	NO	2.92-3.68 [.115-.145]	0.991 ± 0.038 [.039 ± .0015]	66010-[] 531586-6		66005-[] 531586-3		AMP-BLADE RECEPTACLE CONTACT	108-9202
	2x0.2 OR 2x0.3 [2x24 OR 2x22]	2.79 [.110] MAX TOTAL										

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CERTI-CRIMP II DATA SHEET

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. YOUNGER 21FEB2012 MATERIAL - HEAT TREAT -	
0 PLC ± -		OKH 22FEB2012		B.A. WOLFE	
1 PLC ± -		APVD 22FEB2012		B.A. WOLFE	
2 PLC ± -		NAME		TE Connectivity	
3 PLC ± -		CERTI-CRIMP II TOOL DATA SHEET		MISCELLANEOUS CONTACTS	
4 PLC ± -					
DIMENSIONS: mm		SCALE - SIZE A1 DRAWING NO 1583011 SHEET 2 OF 8 REV F18			
SEE SHEET 1					
P LTR	REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE ✓

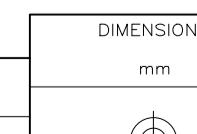
Dwg No 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1	WIRE SIZE mm ² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS 		CONTACT DESCRIPT.	APPLIC. SPECIF.		
									LOOSE PIECE	STRIP FORM				
91354-1		91354-1	1.94-2.15 [14]	2.18-3.94 [086-155]	N□	N□	4.8-5.6 [189-220]	1.70 ± 0.05 [067 ± .002]		9-1437846-0	.040" [DUAL CONTACT] SBEC 1 MM TERMINAL	114-13039		
91355-1	0.32-0.38 [22]	91355-1	1.50-1.75 [059-069]	4.8-5.6 [189-220]	N□	N□	4.8-5.6 [189-220]	1.10 ± 0.05 [043 ± .002]		9-1437846-1	.040" [DUAL CONTACT] SBEC 1 MM TERMINAL	114-13039		
	0.81-0.96 [18]		1.70-3.00 [067-118]					1.45 ± 0.05 [057 ± .002]		9-1437846-2				
91356-1	1.28-1.42 [16]	91356-1	2.18-2.41 [086-095]	N□	N□	N□	4.8-5.6 [189-220]	1.32 ± 0.05 [052 ± .002]		1456004-1	1 MM TERMINAL	114-13039		
91357-1	0.50-0.60 [20]	91357-1	1.70-1.93 [067-076]	N□	N□	N□	4.8-5.6 [189-220]	1.05 ± 0.05 [041 ± .002]		1456004-2	1 MM TERMINAL	114-13039		
	0.81-0.96 [18]		1.90-2.25 [075-089]					1.15 ± 0.05 [045 ± .002]		1456004-1				
91599-1	0.20-0.22 [24]	91599-1	0.96-1.12 [038-044]	N□	N□	N□	2.5-3.3 [100-130]	0.79 ± 0.05 [031 ± .002]	1604735-1		FUSE CLIP	N/A		
1725061-1	0.30-0.35 [22]	1725061-1	1.34-1.60 [053-063]	N□	N□	N□	3.8-4.8 [150-189]	1.55 ± 0.13 [061 ± .005]	ASCO PN: 280019-001		ASCO REDHAT	N/A		
1804573-1	0.50-0.56×2 [20×2]	1804573-1	1.27-1.83 [050-072]	N□	N□	N□	2.9-3.7 [115-145]	1.11 ± 0.05 [043 ± .002]	66026-2	66021-2	AMP BLADE RECEPT.	108-9201		
	0.50-0.89 [20-18]		1.73-2.29 [065-090]					0.99 ± 0.05 [039 ± .002]						
1213783-1	0.12-0.37 (26-22)	1213783-1	1.20-1.90 (.047-.075)	N□	N□	N□	3.2 ± 0.5 (.12 ± .02)	0.83 ± 0.04 (.033 ± .002)	175153 175155	175149 175151	UNIVERSAL POWER CONTACT	114-5142		
	0.50-0.89 (20-18)		1.70-2.70 (.067-.106)					1.13 ± 0.05 (.044 ± .002)	175154 175156	175150 175152				
	1.25-1.42 (16)		2.50-3.30 (.098-.130)					1.43 ± 0.05 (.056 ± .002)						

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CERTI-CRIMP II DATA SHEET									
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. YOUNGER 21FEB2012 MATERIAL - HEAT TREAT -					
 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± -		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± -		DWN M. YOUNGER 21FEB2012 MATERIAL - HEAT TREAT - CHK 22FEB2012 B.A. WOLFE APVD NAME B.A. WOLFE CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS					
SEE SHEET 1	REVISION RECORD	DATE	DWN	APVD	SCALE - SIZE A1 DRAWING NO 1583011 SHEET 3 OF 8 REV F18				
P	LTR								

Dwg No. 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1	WIRE SIZE mm ² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS [△]		CONTACT DESCRIPT.	APPLIC. SPECIF.
									LOOSE PIECE	STRIP FORM		
1901760-1	0.30-0.56 [22-20]	1.5-2.4 [.059-.094]	NO	NO	4.0 ± 0.2 [.156 ± .008]	0.99 ± 0.14 [.039 ± .003]	1-170321-1	1-170291-1	DUAL LINK INTERLOCK CONN.	114-5045		
1901760-3												
1901771-1	0.50-0.96 [20-18]	1.27-2.92 [.050-.115]	YES	NO	4.0 ± 0.4 [.156 ± .015]	0.97 ± 0.05 [.039 ± .002]	350037	350019	MINIATURE RECTANGULAR CONTACT	114-1014		
1901771-3	0.12-0.38 [26-22]					0.71 ± 0.05 [.028 ± .002]	350036	350018				
1901786-1	0.03-0.09 [32-28]	0.64-1.52 [.025-.060]	YES	NO	3.96-3.18 [.156-.125]	0.53 ± 0.05 [.021 ± .002]	530901-3	530901-2	MINI TANDEM SPRING RCPT	114-25021		
1901786-3		0.64-1.37 [.025-.054]					104506-[]	104506-[]	AMPMODU MTE PIN	114-25026		
1901798-1	0.20-0.38 [24-22]	0.97-1.57 [.038-.062]	YES	NO	3.96 [.156]	0.89 ± 0.05 [.035 ± .002]	-	867052-[]	LOCKING CLIP .025-IN. SQUARE CONTACT	114-25006		
1901798-3	0.5-0.6 [20]	1.27-2.54 [.050-.100]				1.02 ± 0.05 [.040 ± .002]						
1901829-1	INSULATION PIERCING SEE INSULATION DIAMETER	1.40 [.055]	NO	NO	USE UNSTRIPPED WIRE	1.27 ± 0.05 [.050 ± .002]	102348-2	87107-5	CRIMP MOD IV SNAP-IN RCPT	114-25003		
1901829-3		1.02 [.040]				1.17 ± 0.05 [.046 ± .002]	102348-3	87107-6				
1901957-1	0.05-0.15 [30-26]	1.0-1.9 [.039-.075]	YES	NO	2.5 ± 0.5 [.098 ± .020]	0.71-0.86 [.028-.034]	171612-[]	171610-[]	AMP-ULTREX 2.5mm/2.54mm PITCH RECEPTACLE CONTACT	114-5077		
1901957-3	0.12-0.35 [26-22]	0.9-1.5 [.035-.059]				0.59-0.73 [.023-.029]	171611-[]	171609-[]				
1901963-1	1.28-2.15 [16-14]	3.3-4.6 [.130-.180]	YES	NO	6.35 ± 1.60 [.250 ± .062]	1.68 ± 0.08 [.066 ± .003]	SOCKET PIN 350388-1 350389-1	SOCKET PIN 61626-1 61627-1	.140 MATE-N-LOK PIN AND SOCKET	114-1007		
1901963-3	0.50-0.96 [20-18]	2.5-4.6 [.100-.180]				1.40 ± 0.08 [.055 ± .003]						
1976150-1	0.50-1.00 [24-20]	1.80 MAX [.071 MAX]	YES	NO	4.37 ± 0.25 [.172 ± .010]	0.94 ± 0.05 [.037 ± .002]	-	86497-2 86008-1	HI PRESSURE AMPMODU (INVERTED)	114-25010		
1976150-1	0.21-0.56 [32-26]	1.27 MAX [.050 MAX]				0.978 ± 0.050 [.0385 ± .0020]						
2217748-1	0.80-0.50 [18-20]	1.7-2.7 [.067-.106]	YES	NO	5.10 ± 0.40 [.200 ± .016]	1.22 ± 0.05 [.048 ± .002]	770854-1	770520-1	AMPSEAL	114-16016		
2217748-1	1.40 [16]					1.40 ± 0.050 [.055 ± .0020]						

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CERTI-CRIMP II DATA SHEET

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. YOUNGER		21FEB2012		MATERIAL		HEAT TREAT	
mm		0 PLC ± -		B.A. WOLFE		22FEB2012		-		-	
1 PLC ± -		1 PLC ± -		APVD		22FEB2012		-		-	
2 PLC ± -		2 PLC ± -		B.A. WOLFE		NAME		-		-	
3 PLC ± -		3 PLC ± -		CERTI-CRIMP II TOOL DATA SHEET		MISCELLANEOUS CONTACTS		-		-	
4 PLC ± -		4 PLC ± -		-		-		-		-	
SCALE	SIZE	A1	DRAWING NO	1583011	4	OF	8	REV	F18		
P	LTR	SEE SHEET 1	REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE	✓			

Dwg No. 1583011	Tool Number -1	Wire Size mm ² [AWG] -3	Insulation Diameter mm [in.]	Insul. Adj.	Flip Locator	Strip Length mm [in.]	Crimp Height mm [in.]	Contact Part Numbers 		Contact Descrip.	AppliC. Specif.
								Loose Piece	Strip Form		
1901557-1	0.50-0.56 [20]	2.20-2.60 [.087-.102]	NO	NO	4.0-5.0 [157-.197]	1.285 ± 0.065 [.0505 ± .0025]	170112 170113	170099-2 170100-2	.079 (.20mm) DIA PIN & RECEPTACLE	114-5019	
	0.75-0.89 [18]					1.310 ± 0.090 [.0515 ± .0035]					
1901557-3	1.25-1.42 [16]	2.70-3.50 [.106-.138]	NO	NO	4.5-7.0 [177-.276]	1.645 ± 0.050 [.0652 ± .0020]	170292 170293 171654	170279-1 170280-1 172786-1	.079 (.20mm) DIA PIN & RECEPTACLE, LANCELESS	114-5039	
	2.00-2.27 [14]					1.690 ± 0.090 [.0665 ± .0035]					
1976577-1	0.80-1.24 [20-18]	1.37-1.88 [.054-.074]	NO	NO	2.92-3.68 [115-.145]	1.35 ± 0.05 [.053 ± .002]	66169	66144	AMP-TAB CONTACTS	108-5039	
1976577-3	0.40-0.64 [26-22]	0.89-1.37 [.035-.054]				0.94 ± 0.50 [.037 ± .002]	66168	66143			
2031245-1	0.50-0.90 [20-18]	1.27-1.65 [.050-.065]	NO	NO	3.18-3.96 [125-.156]	1.029 ± 0.051 [.0405 ± .002]	167730-1	-	AMP-LEAF	114-9003	
2031245-3	0.20-0.40 [24-22]	0.89-1.40 [.035-.055]				0.775 ± 0.051 [.0305 ± .002]	164715-1	-			
2031200-1	0.20-0.22 [24]	1.02 [.040]	NO	NO	3.56 ± 0.39 [140 ± .015]	0.84 ± 0.05 [.033 ± .002]	60789 61276	60598 61119	.058 DIA PC CONTACT	114-1008	
2031200-3											
2063834-1	0.5-0.6 [20]	1.8-2.1 [.071-.083]	YES	NO	4.00-5.00 [157-.197]	0.89-1.05 [.035-.041]	179419-1 179420-1 1376702-1	-	.040 III UNSEALED RECEPTACLE CONTACT	114-5217	
	0.8-0.9 [18]					0.89-1.08 [.035-.043]					
2063834-3	1.25-14.42 [16]	1.8-2.2 [.071-.087]				1.06-1.40 [.042-.055]					
2063850-1	0.30-0.89 [22-18]	1.1-1.8 [.043-.071]	YES	NO	4.00-5.00 [157-.197]	0.78-1.15 [.031-.045]	1376700 1376701	316836 316837	.040 III UNSEALED RECEPTACLE CONTACT	114-5217	
2063850-3											
2063811-1	-	0.9-3.5 [.036-.138]	NO	NO	-	-	328854 328858 328855 328859 328856 328860 328857 328861	-	PRE-INSULATED SPARE WIRE CAP	-	
2063811-3											
2063857-1	22 ØR 20 ØR (2)24	1.52-2.29 [.060-.090]	NO	NO	3.56±0.40 [140±0.015]	0.94 ± 0.05 [.037 ± .002]	640024-1	640259-1	.058 DIA PC CONTACT	114-1008	
	18 ØR (2)20 ØR (2)22					1.24 ± 0.05 [.049 ± .002]					

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CERTI-CRIMP II DATA SHEET

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
0 PLC	± -	OK	22FEB2012	B.A. WOLFE	APVD	NAME	TE Connectivity
1 PLC	± -						
2 PLC	± -						
3 PLC	± -						
4 PLC	± -						
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN. M. YOUNGER 21FEB2012 MATERIAL - -		HEAT TREAT - -	
- SEE SHEET 1		REVISION RECORD		DATE	DWN	APVD	
P	LTR						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:					

Dwg No. 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1	WIRE SIZE mm ² [AWG] -3	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS ¹		CONTACT DESCRIPT.	APPLIC. SPECIF.
									LOOSE PIECE	STRIP FORM		
2119536-1	0.03 [32]	0.4-0.7 [.016-.028]	YES	YES	1.0-1.2 [.04-.05]		0.405 ± 0.025 [.0159 ± .0010]		-	1734597-1	1.0 WIRE TO BOARD CONNECTOR	114-57020
	0.50-0.06 [30]											
	0.08-0.09 [28]											
2119537-1	0.03 [32]	0.9-1.2 [.035-.047]	YES	YES	0.9-1.3 [.04-.05]		0.485 ± 0.025 [.0190 ± .0010]		-	1734193-1	1.25 WIRE TO BOARD CONNECTOR	114-57016
	0.05-0.06 [30]											
	0.08-0.09 [28]											
2119538-1	0.05-0.06 [30]	.089-1.50 [.035-.059]	NO	YES	1.9-2.5 [.08-.10]		0.550 ± 0.025 [.022 ± .0010]		-	1775442-1	2.0 WIRE TO BOARD CONNECTOR	114-57011
	0.08-0.12 [28-26]											
	0.20 [24]											
2119539-1	0.05 [30]	.089-1.50 [.035-.059]	YES	YES	1.9-2.5 [.08-.10]		0.545 ± 0.025 [.0215 ± .0010]		-	440132-1 1735801-1	2.0 WIRE TO BOARD CONNECTOR	114-57011
	0.08-0.14 [28-26]											
	0.22 [24]											
1752794-1	0.20-0.35 [24-22]	-	NO	NO	3.1-3.6 [.12-.14]		0.94 ± 0.05 [.037±.002]		-	42869-6	.040 PIN RECEPT	114-2083
	0.50-0.56 [20]	-										
1976156-1	.013 [26]	0.80-0.95 [.031-.037]	NO	YES	3.25-3.55 [.13-.14]		0.61 ± 0.025 [.024±.001]	1-211449-1 1-211449-2 1-211449-6	1-1703930-1 1-1703930-2 1-1703930-6	NANO MQS	114-18858	
	0.20-0.22 [24]	.090-1.20 [.035-.047]										
1976157-1	0.35 [22]	1.0-1.2 [.039-.047]	NO	YES	3.25-3.55 [.13-.14]		0.82 ± 0.025 [.032±.001]	1-2112449-1 1-2112449-2 1-2112449-6	1-1703930-1 1-1703930-2 1-1703930-6	NANO MQS	114-18858	
	0.35 [22]	1.2-1.3 [.047-.051]										

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CERTI-CRIMP II DATA SHEET

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. YOUNGER 21FEB2012 MATERIAL - HEAT TREAT -	
0 PLC		± -		OKH 22FEB2012	
1 PLC		± -		B.A. WOLFE APVD	
2 PLC		± -		B.A. WOLFE 22FEB2012	
3 PLC		± -		NAME	
4 PLC		± -		CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SCALE - SIZE A1 DRAWING NO 1583011 SHEET 6 OF 8 REV F18	
SEE SHEET 1		ANGLES ± - SURFACE TEXTURE ✓			
P	LTR	REVISION RECORD		DATE	DWN APVD

Dwg No. 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1	WIRE SIZE mm ² [AWG] -3	INSULATION DIAMETER mm [in.]	INSUL. ADJ. 3	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS 		CONTACT DESCRIPT.	APPLIC. SPECIF.
									LOOSE PIECE	STRIP FORM		
2217655-1	0.32-0.38 [22] 0.50-0.60 [20] 0.81-0.89 [18]	1.7-2.9 [.67-.114]	YES	NO	2.69-3.30 [.106-.130]		1.00 ± 0.05 [.039 ± .002]	1744395-1	1744144-1	ECONOMY POWER II	114-13265	
							1.10 ± 0.05 [.043 ± .002]					
							1.15 ± 0.05 [.043 ± .002]					
2217660-1	0.50-0.60 [20] 0.81-0.89 [18] 1.25-1.42 [16]	1.7-2.9 [.67-.114]	YES	NO	2.46-2.84 [.097-.112]		1.12 ± 0.05 .044 ± .002]	1744396-1	1744201-1	ECONOMY POWER II	114-13265	
							1.27 ± 0.05 [.050 ± .002]					
							1.47 ± 0.05 [.058 ± .002]					
2217742-1	0.50-0.90 [20-18] 1.25-1.42 [16]	1.85-2.29 [.073-.090]	YES	NO	3.18-3.56 [.125-.156]		1.092 ± 0.051 [.043 ± .002]	583875-3 583875-6 5-583875-6	583875-2 583875-5 5-583875-5	TWIN LEAF CONTACT	114-9004	
							1.346 ± 0.051 [.053 ± .002]					
2217754-1	0.30-1.00 [2X22-1X18] 0.30-0.60 [22-20]	2X22=3.05 MAX [.120 MAX]	NO	NO	3.18-3.56 [.125-.156]		1.1304 ± 0.038 [.0445 ± .0015]	42840-[] 583272-[] 583989-[]	42717-[] 583361-[] 60030-[] 58355-[] 583271-[] 583989-[]	AMP LEAF CONTACT	114-9003	
		1X18=1.65-2.03 [.065-.080]					0.9779 ± 0.0381 [.0385 ± .0015]					
2217766-1	0.32-0.60 [22-20] 0.80-0.90 [18]	1.27-2.54 [.50-.100]	YES	NO	3.96 [.156]		1.02 ± 0.05 [.040 ± .002]	87278-[]	87269-[]	LOCKING CLIP CONTACT .031 X .062	114-25008	
							1.22 ± 0.05 [.048 ± .002]					
2280413-1	0.85-0.87 [18] 0.51-0.53 [20] 0.34-0.37 [22]	-	NO	YES	1.60 [.063]		1.15 ± 0.05 [.0153 ± .002]	-	RECPT-2271279-[] PIN-2271283-[] GROUND-2271285-[]	MICRO MOTOR CONN.	114-5377	
							1.00 ± 0.05 [.0394 ± .002]					
							0.85 ± 0.05 [.0335 ± .002]					
2217746-1	0.50-1.40 [2X20-2X18-16] 0.50-0.60 [20]	4.06 MAX [.160 MAX]	NO	NO	3.56 ± 0.38 [.140 ± .015]		1.384 ± 0.051 [.0545 ± .0020]	42840-3 66028-3 []-583989-[] 583991-3	42717-3 60151-[] 60082-1 66028-1 42840-1 1-42840-3 1-42840-4 1-66028-3	AMP LEAF CONTACT	114-9003	
		1.40-2.03 [.055-.080]					1.054 ± 0.038 [.0415 ± .0015]					
2217743-1	0.40-1.00 [21-8/2X22] 0.10-0.40 [26-22]	3.05 MAX [.120 MAX]	NO	NO	3.56 ± 0.38 [.140 ± .015]		1.029 ± 0.038 [.0405 ± .0015]	42840-3 583268-[]	42717-1 583272-[] 42702-1 583990-[] 583267-[] 583991-[] 583271-[] 583989-[]	AMP LEAF CONTACT	114-9003	
		1.27-1.53 [.050-.060]					0.775 ± 0.0038 [.0305 ± .0015]					

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Dwg No. M. YOUNGER 21FEB2012 MATERIAL - HEAT TREAT -							
OKH 22FEB2012 B.A. WOLFE APVD							
NAME B.A. WOLFE							
CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS							
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:						
0 PLC ± -	1 PLC ± -						
1 PLC ± -	2 PLC ± -						
2 PLC ± -	3 PLC ± -						
3 PLC ± -	4 PLC ± -						
SCALE - SIZE A1 DRAWING NO 1583011 SHEET 7 OF 8 REV F18							
P LTR	SEE SHEET 1	REVISION RECORD	DATE	DW	APVD	ANGLE ± -	SURFACE TEXTURE ✓

Dwg No. 1583011	THIS DRAWING IS A CONTROLLED DOCUMENT.	TOOL NUMBER -1 -3 △	WIRE SIZE mm ² [AWG] -3 △	INSULATION DIAMETER mm [in.]	INSUL. ADJ. 3	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS △		CONTACT DESCRIPT.	APPLIC. SPECIF.		
									LOOSE PIECE	STRIP FORM				
2217763-1	0.30-0.60 (22-20)	1.02-2.04 (.040-.080)	NO	NO	3.3 ± 0.4 (.130 ± .015)	1.067 ± 0.038 (.042 ± .0015)	66010-2	66005	AMP BLADE RECEPT.	108-9201				
	0.12-0.20 (26-24)	1.02-1.53 (.040-.060)					66011-2	66009						
2217748-1	0.80-0.50 [18-20]	1.7-2.7 [.067-.106]	YES	NO	5.10 ± 0.40 [.200 ± .016]	1.22 ± 0.05 [.048 ± .002]	770854-1	770520-1	AMPSEAL	114-16016				
	1.40 [16]													
2217753-1	1.4-2.1 [16-14]	2.26-3.18 [.089-.125]	NO	NO	5.08 ± 0.40 [.200 ± .016]	1.55 ± 0.05 [.061 ± .002]	-	776491-[] 638112-[]	HDSF SIZE 16 PIN & SOCKET	114-13045				
	0.90 [18]													
2844375-1	0.13 [26]	0.85-1.05 [.033-.041]	NO	YES	3.25-3.55 [.128-.140]	0.59 0.02 [.0230 ± .0008]	2098583-4	0.50MM RECEPTICLE CONTACT	114-13287					
	0.35 [22]	1.10-1.20 [.043-.047]					2098583-1							
	0.35 [22]	1.10-1.40 [.043-.055]					2098583-2							
2217755-1	0.15-0.24 [26-24]	1.52 MAX [.060 MAX]	YES	NO	3.05 [.120]	0.63 ± 0.05 [.025 ± .002]	794019-1	-	.062 PIN & SOCKET	114-1013				
	0.06-0.90 [30-28]													
2217752-1	0.24-0.30 [24-22]	1.27-2.29 [.050-.090]	YES	NO	4.8-5.6 [.189-.220]	0.765 ± 0.036 [.030 ± .0014]	61120-1 61122-1	61061 61063	AMP COMBO LINE CONNECTORS	408-7305				
	0.60-0.90 [20-18]	1.52-2.79 [.060-.110]					61121-1 61123-1	61062 61064						
2280517-1	1.00 mm ²	2.10 MAX [.082]	NO	NO	4.0-4.4 [.157-.173]	1.12 ± 0.05 [.044 ± .002]	-	1924782-[]	GET NEW GENERATION FEMALE 0.64mm SOCKET CONTACTS	114-13236				
	16 AWG	2.40 MAX [.094]			3.7-4.1 [.146-.161]	1.31 ± 0.05 [.052 ± .002]	-	1924880-[]						
	1.50 mm ²				1.40 ± 0.05 [.055 ± .002]									
2305567-1	0.30-0.40 [22]	1.60-2.00 [.063-.078]	NO	YES	2.30-2.60 [.90-.102]	0.76 0.05 [.0299 ± .002]	2834067-[] 2834068-[]	1-2834067-[] 2-2834067-[] 1-2834068-[] 2-2834068-[]	MINIATURE WATERPROOF CONNECTOR	114-137093				
	0.80-.90 [18]													
	0.50-0.60 [20]													
2305781-1	0.15-0.30 [26-22]	0.89-1.65 [.035-.3045]	YES	NO	3.56-3.94 [.140-.155]	0.66 ± 0.05 [.026 ± .002]	350189-[] 60983-[]	61513-[] 60804-[]	PRINTED CIRCUIT BOARD DISCONNECTED RECEPTACLE CONTACTS	114-1008				

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Dwg No. 1583011	21FEB2012	MATERIAL —	HEAT TREAT —
CHK B.A.WOLFE	22FEB2012	TE Connectivity	
APVQ B.A. WOLFE	22FEB2012		
NAME C. WOLFE			
CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS			
SCALE —	SIZE A1	DRAWING NO 1583011	8 OF 8 REV F18

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