USED ON —

TOOL NUMBER	WIRE SIZE mm² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS ⚠1		CONTACT DESCRIP.	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-[ ] 640580-[ ] 641300-[ ]	350665-[ ] 350967-[ ] 350969-[ ] 641294-[ ]	MINIATURE RECTANGULAR CONTACTS	114-1014
	0.50-0.96 [20-18]					0.97 ± 0.057 [.038 ± .002]				
91531-1 91531-3	0.12-0.35 PIN [26-22]	0.91-1.37 [.036-.054]	YES	YES	3.56 ± 0.38 [.140 ± .015]	0.76 ± 0.05 [.030 ± .002]	104505-3 104505-5 104505-7 531216-2 104480-7 531216-4 104480-8 530553-3 104480-9 530553-5 1-104480-4 530553-7 1-104480-5 531224-7 1-104480-6	104505-2 104505-4 104505-6 531216-1 104480-1 1-104480-7 531216-3 104480-2 530553-3 104480-3 530553-5 104480-4 530553-7 1-104480-2 531224-6 1-104480-3	TANDEM SPRING Contacts	114-25021
	0.12-0.35 RECP [26-22]									
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 583853-9 531477-5 1-583853-1 583853-4 583853-5	531477-1 583853-3 531477-2 583853-7 531477-4 583853-8 583853-1 1-583853-0 583853-2 1-583853-3	TWIN LEAF CONTACTS	114-9004
	0.50-0.56 [20]					0.99 ± 0.05 [.039 ± .002]				
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-[ ] 88067-[ ] 86571-[ ] 181270-[ ]	86557-[ ] 88067-2 86566-[ ]	FLEXIBLE FLAT CABLE CONNECTORS	114-16003 114-16007 114-16015 114-20004
		1.02-1.75 [.040-.069]					86658-2 86657-2	86656-2 86655-2		
	0.30-0.35 [22]	1.02-1.42 [.040-.056]				0.71 ± 0.05 [.028 ± .002]	86561-[ ] 88067-[ ] 86571-[ ] 181270-[ ]	86557-[ ] 88067-2 86566-[ ]		
		1.02-1.75 [.040-.069]					86658-2 86657-2	86656-2 86655-2		
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 TO CHANGE. FOR CURRENT INFORMATION ON TERMINAL PART NUMBERS, CONTACT 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.

THIS DRAWING IS A CONTROLLED DOCUMENT.
DWG NO 1583011
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3308-8 (1/15)

CERTI-CRIMP II DATA SHEET

P	LTR	REVISION RECORD	DATE	DWN	APVD
	F23	REVISED	18FEB2022	RRD	
	F22	REVISED	02/2021	AW	SS

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± —
SURFACE TEXTURE —√—

DWN M. YOUNGER	21FEB2012	MATERIAL — —	HEAT TREAT — —
CHK B.A.WOLFE	22FEB2012		
APVD B.A. WOLFE	22FEB2012	TE Connectivity	
NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS			
SCALE —	SIZE A1	DRAWING NO 1583011	SHEET 1 OF 10 REV F23

USED ON —

TOOL NUMBER	WIRE SIZE mm² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS 1 — LOOSE PIECE	CONTACT PART NUMBERS 1 — STRIP FORM	CONTACT DESCRIP.	APPLIC. SPECIF.
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 – SOCKET 201751-[ ]	COLOR: GREEN BARREL BLUE SHOULDER	TYPE II SCREW MACHINE CONTACT	114-10026
	2×0.75 [2x18]	-					PIN 202725-[ ] SOCKET 202726-[ ]	COLOR: BLUE SHOULDER		
	0.75-1.42 [18-16]	-					PIN 200681-[ ] 200336-[ ] 204274-[ ] 204219-[ ] 207893-[ ] SOCKET 201589-[ ] 200333-[ ] 207896-[ ] 130743-1	COLOR: BLUE BARREL BLUE SHOULDER		
	2.00-2.27 [14]	-					PIN 201645-[ ] 201570-[ ] SOCKET 201568-[ ]	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-[ ] 166296-[ ] 166297-[ ] 203802-[ ] 203816-[ ]	164153-[ ] 164155-[ ] 166046-[ ] 166047-[ ] 203801-[ ] 203815-[ ]	TYPE XI CONTACT	114-10002
	0.50-0.56 [20]					0.876 ± 0.051 [.0345 ± .002]				
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
	2×0.2 OR 2×0.3 [2×24 OR 2×22]	2.79 [.110] MAX TOTAL				1.067 ± 0.038 [.042 ± .0015]				

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P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± – ; 3 PLC ± – ; 4 PLC ± –
ANGLES ± –
SURFACE TEXTURE √

CERTI-CRIMP II DATA SHEET

DWN 21FEB2012 M. YOUNGER	MATERIAL – –	HEAT TREAT – –	
CHK 22FEB2012 B.A.WOLFE			
APVD 22FEB2012 B.A. WOLFE	TE Connectivity		
NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS			
SCALE –	SIZE A1	DRAWING NO 1583011	SHEET 2 OF 10 REV F23

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND MAY NOT BE REPRODUCED OR DISCLOSED TO ANY PERSON OTHER THAN TE PERSONNEL, WITHOUT AUTHORIZATION FROM TE (www.TE.com).

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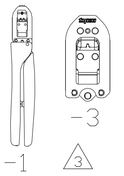
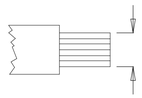
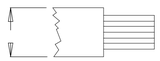
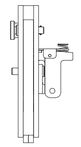
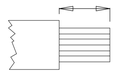
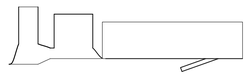
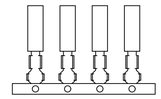
DWG NO 1583011

3308-8 (1/15)

USED ON —

TOOL NUMBER 	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 DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE 	STRIP FORM 		
91354-1	1.94-2.15 [14]	2.18-3.94 [.086-.155]	NO	NO	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]	1.50-1.75 [.059-.069]	NO	NO	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]	2.18-2.41 [.086-.095]	NO	NO	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]	1.70-1.93 [.067-.076]	NO	NO	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]	0.96-1.12 [.038-.044]	NO	NO	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]	1.34-1.60 [.053-.063]	NO	NO	3.8-4.8 [.150-.189]	1.55 ± 0.13 [.061 ± .005]	ASCO PN: 280019-001		ASCO REDHAT	N/A
1804573-1	0.50-0.56x2 [20x2]	1.27-1.83 [.050-.072]	NO	NO	2.9-3.7 [.115-.145]	1.11 ± 0.05 [.043 ± .002]	66026-2	66021-2	AMP BLADE RECEPT.	108-9201
1804573-3	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)	1.20-1.90 (.047-.075)	NO	NO	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

P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
SURFACE TEXTURE √

DWN M. YOUNGER	21FEB2012	MATERIAL – –	HEAT TREAT – –
CHK B.A.WOLFE	22FEB2012	TE Connectivity	
APVD B.A. WOLFE	22FEB2012		

NAME: CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS

SCALE	SIZE	DRAWING NO	SHEET	REV
–	A1	1583011	3 OF 10	F23

DWG NO 1583011

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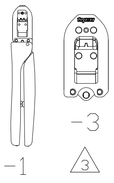
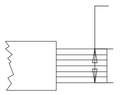
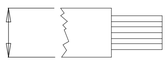
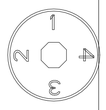
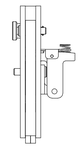
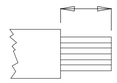
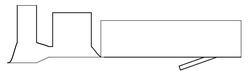
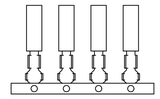
USED ON —

TOOL NUMBER  -1 ⚠3 -3	WIRE SIZE mm² [AWG] 	INSULATION DIAMETER mm [in.] 	INSUL. ADJ. 	FLIP LOCATOR 	STRIP LENGTH mm [in.] 	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS ⚠1		CONTACT DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE 	STRIP FORM 		
1901760-1 1901760-3	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
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]	–	⚠5 867052-[ ]	LOCKING CLIP .025-IN. SQUARE CONTACT	114-25006 ⚠5
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	MOD IV CRIMP 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
	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
	1.40 [16]					1.40 ± 0.050 [.055 ± .0020]				

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⚠5 REFER TO APPLICATION SPECIFICATION TO VERIFY COMPATIBILITY WITH TERMINAL HOUSING.

CERTI-CRIMP II DATA SHEET

P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
SURFACE TEXTURE –√

DWN M. YOUNGER	21FEB2012	MATERIAL – –	HEAT TREAT – –
CHK B.A.WOLFE	22FEB2012		
APVD B.A. WOLFE	22FEB2012	TE Connectivity	
NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS			
SCALE –	SIZE A1	DRAWING NO 1583011	SHEET 4 OF 10 REV F23

DWG NO 1583011

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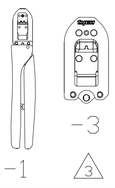
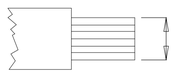
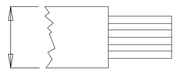
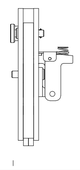
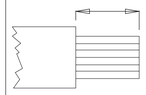
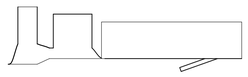
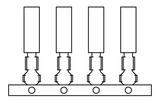
USED ON —

TOOL NUMBER  -1 ⚠3 -3	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 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 (2.0mm) 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 (2.0mm) 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 2031200-3	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
2063834-1 2063834-3	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]				
	1.25-14.42 [16]	1.8-2.2 [.071-.087]				1.06-1.40 [.042-.055]				
2063850-1 2063850-3	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
2063811-1 2063811-3	-	0.9-3.5 [.036-.138]	NO	NO	-	-	328854 328858 328855 328859 328856 328860 328857 328861	–	PRE-INSULATED SPARE WIRE CAP	-
2063857-1 ⚠4	22 OR 20 OR (2)24	1.52-2.29 [.060-.090]	NO	NO	3.56±0.40 [.140±.015]	0.94 ± 0.05 [.037 ± .002]	640024-1	640259-1	.058 DIA PC CONTACT	114-1008
	18 OR (2)20 OR (2)22					1.24 ± 0.05 [.049 ± .002]				

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P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
SURFACE TEXTURE √

CERTI-CRIMP II DATA SHEET

DWN M. YOUNGER	21FEB2012	MATERIAL – –	HEAT TREAT – –
CHK B.A.WOLFE	22FEB2012		
APVD B.A. WOLFE	22FEB2012	TE Connectivity	
NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS			
SCALE –	SIZE A1	DRAWING NO 1583011	SHEET 5 OF 10 REV F23

DRW NO 1583011

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USED ON —

TOOL NUMBER	WIRE SIZE mm² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS 1		CONTACT DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE	STRIP FORM		
2119536-1 2119536-3	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]	0.5-0.8 [.020-.031]				0.419 ± 0.025 [.0165 ± .0010]				
	0.08-0.09 [28]					0.460 ± 0.025 [.0181 ± .0010]				
2119537-1 2119537-3	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]					0.505 ± 0.025 [.0200 ± .0010]				
	0.08-0.09 [28]					0.535 ± 0.025 [.0210 ± .0010]				
2119538-1 2119538-3	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]					0.550 ± 0.025 [.022 ± .0010]				
	0.20 [24]					0.580 ± 0.025 [.023 ± .0010]				
2119539-1 2119539-3	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]					0.584 ± 0.025 [.023 ± .0010]				
	0.22 [24]					0.645 ± 0.025 [.0255 ± .0010]				
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]	-				1.07 ± 0.05 [.042±.002]				
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 [0.35-.047]				0.66 ±0.025 [.026±.001]				
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]				0.82 ±0.025 [.032±.001]				

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CERTI-CRIMP II DATA SHEET

P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
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2 PLC ± –
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ANGLES ± –
SURFACE TEXTURE √

DWN M. YOUNGER	21FEB2012	MATERIAL – –	HEAT TREAT – –
CHK B.A.WOLFE	22FEB2012		
APVD B.A. WOLFE	22FEB2012	TE Connectivity	
NAME	CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS		
SCALE –	SIZE A1	DRAWING NO 1583011	SHEET 6 OF 10 REV F23

DWG NO 1583011

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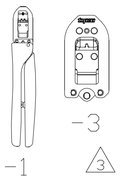
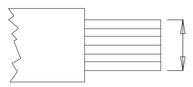
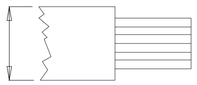
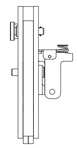
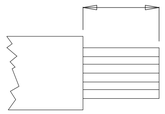
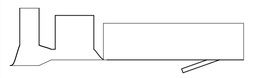
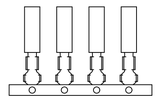
USED ON —

TOOL NUMBER  -1 ⚠3 -3	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 LOOSE PIECE 	CONTACT PART NUMBERS ⚠1 STRIP FORM 	CONTACT DESCRIP.	APPLIC. SPECIF.
2217655-1	0.32-0.38 [22]	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
	0.50-0.60 [20]					1.10 ± 0.05 [.043 ±.002]				
	0.81-0.89 [18]					1.15 ± 0.05 [.043 ±.002]				
2217660-1	0.50-0.60 [20]	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
	0.81-0.89 [18]					1.27 ± 0.05 [.050 ±.002]				
	1.25-1.42 [16]					1.47 ± 0.05 [.058 ±.002]				
2217742-1	0.50-0.90 [20-18]	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
	1.25-1.42 [16]					1.346±0.051 [.053±.002]				
2217754-1	0.30-1.00 [2X22-1X18]	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
	0.30-0.60 [22-20]	1X18=1.65-2.03 [.065-.080]				0.9779±0.0381 [.0385±.0015]				
2217766-1	0.32-0.60 [22-20]	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
	0.80-0.90 [18]					1.22 ± 0.05 [.048±.002]				
2280413-1	0.85-0.87 [18]	–	NO	YES	1.60 [.063]	1.15 ± 0.05 [.0153 ±.002]	–	RECPT-2271279-[ ] PIN-2271283-[ ] GROUND-2271285-[ ]	MICRO MOTOR CONN.	114-5377
	0.51-0.53 [20]			1 RECPT.		1.00 ± 0.05 [.0394 ± .002]				
	0.34-0.37 [22]			2 PIN		0.85± 0.05 [.0335 ± .002]				
				3 GROUND						
2217746-1	0.50-1.40 [2X20-2X18-16]	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 [ ]-583361-[ ] 60151-[ ] 42840-1 1-42840-3 1-42840-4 60082-1 1-60082-3 66028-1 1-66028-3	AMP LEAF CONTACT	114-9003
	0.50-0.60 [20]	1.40-2.03 [.055-.080]				1.054 ± 0.038 [.0415±.0015]				
2217743-1	0.40-1.00 [21-8/2X22]	3.05 MAX [.120 MAX]	NO	NO	3.56±0.38 [.140±.015]	1.029 ±0.038 [.0405±.0015]	42840-3 583268-[ ]	42717-1 42702-1 583267-[ ] 583271-[ ] 583272-[ ] 583990-[ ] 583991-[ ] 583989-[ ]	AMP LEAF CONTACT	114-9003
	0.10-0.40 [26-22]	1.27-1.53 [.050-.060]				0.775 ±.0038 [.0305±.0015]				

⚠1 LIST OF APPLIED CONTACT PART NUMBERS MAY NOT BE COMPLETE AND IS SUBJECT TO CHANGE. FOR CURRENT INFORMATION ON TERMINAL PART NUMBERS, CONTACT 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.

P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
SURFACE TEXTURE √

CERTI-CRIMP II DATA SHEET

DWN 21FEB2012 M. YOUNGER	MATERIAL – –	HEAT TREAT – –	TE Connectivity
CHK 22FEB2012 B.A.WOLFE			
APVD 22FEB2012 B.A. WOLFE			

NAME: CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS

SCALE	SIZE	DRAWING NO	SHEET	REV
–	A1	1583011	7 OF 10	F23

DWG NO 1583011

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USED ON –

TOOL NUMBER	WIRE SIZE mm² [AWG]	INSULATION DIAMETER mm [in.]	INSUL. ADJ.	FLIP LOCATOR	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PART NUMBERS 1		CONTACT DESCRIP.	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)				0.813±0.038 (.032 ±.0015)	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]					1.40 ± 0.05 [.055 ± .002]				
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]					1.37 ± 0.05 [.054 ± .002]				
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]				0.67 ± 0.03 [.0264 ±.0012]	–	2098583-1		
	0.35 [22]	1.10-1.40 [.043-.055]				0.68 ± 0.02 [.0268 ±.0008]	–	2098583-2		
2217755-1	0.15-0.24 [26-24]	1.52 MAX [.060 MAX]	YES	NO	3.05 [0.120]	0.64 ± 0.05 [.025 ± .002]	794019-1 794018-1	–	.062 PIN & SOCKET	114-1013
							794058-[] 794059-[]		MINI UNIVERSAL MATE-N-LOK	114-16017
	0.06-0.90 [30-28]					0.58± 0.05 [.023± .002]	794224-[] 794225-[]		MINI UNIVERSAL MATE-N-LOK 2	114-1111
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]				0.955 ± 0.028 [.0376 ± .0011]	61121-1 61123-1	61062 61064		
2280517-1	1.00 mm2	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 mm2					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]					1.05 ± 0.05 [.0413 ± .002]				
	0.50-0.60 [20]					0.87 ± 0.05 [.0342 ± .002]				
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 RECPTACLE CONTACTS	114-1008
2063720-1	0.08-0.14 [28-26]	1.00-1.90 [.039-.075]	YES	YES	1.9-2.5 [0.075-0.098]	0.625±0.025 [.0246±.0010]		440134-1	AMP 2.5mm PITCH HPI HIGH PERFORMANCE INTERNCONNECT (LOW COST) WIRE-TO-BOARD SYSTEM	114-57004
	0.20 [24]					0.70 ± 0.05 [.028 ± .002]				
	0.30-0.40 [22]					0.75 ± 0.05 [.029 ± .002]				

-1 -3 3

P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± – 3 PLC ± – 4 PLC ± –
ANGLES ± –
SURFACE TEXTURE

DWN M. YOUNGER	21FEB2012	MATERIAL – –	HEAT TREAT – –
CHK B.A.WOLFE	22FEB2012		
APVD B.A. WOLFE	22FEB2012		
NAME	CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS		
SCALE –	SIZE A1	DRAWING NO 1583011	SHEET 8 OF 10 REV F23

TE Connectivity

DWG NO 1583011

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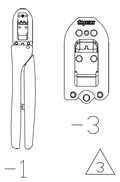
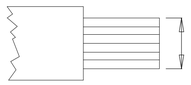
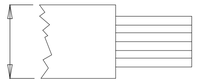
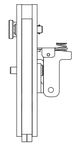
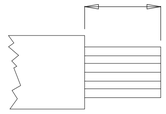
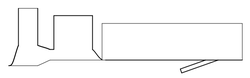
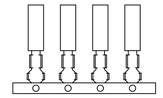
8 7 6 5 4 3 2 1

D C B A

USED ON –

TOOL NUMBER 	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 DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE 	STRIP FORM 		
2280350-1	1.5 DS-QFB	–	NO	YES	3.65±0.25 (.144 ± .010)	0.73 ±0.038 (.029 ± .001)	–	2203260-4 2203270-4	CENTER CONTACT 180 DEGREE FAKRA AUTOMATED	114-32145
	RTK-031					0.84 ±0.038 (.033 ± .001)		2203260-8 2203270-8		
2350391-1	0.08-0.14 [26]	1.30-1.60 [.051-.063]	NO	YES	3.0±0.3 [0.118±0.012]	0.69 ± 0.05 [.027±.0010]	1-2321921-1 1-2321928-1	2321921-1 2321928-1	SDL 2.5 WATERPROOF	114-143067
	0.20 [24]					0.75 ± 0.05 [.030± .002]				
	0.30-0.40 [22]					0.82 ± 0.05 [.032± .002]				
2377922-1	0.08-0.14 [28-26]	1.18-1.56 [.046-.061]	YES	YES	1.7+/-0.3 [.067+/-.012]	0.62 ± 0.05 [.0245±.002]	–	2350223-[]	SIGNAL GRACEE INERTIA (SGI)2.0	114-143160
	0.20 [24]					0.69 ± 0.05 [.027± .002]				
	0.30-0.40 [22]					0.76 ± 0.05 [.030± .002]				
2386880-1	0.20-0.32 [24-22]	1.11-1.53 [.044-.060]	YES	NO	3.0+/-0.3 [.118+/-.012]	0.81 ± 0.05 [.032 ±.002]	2352413-3 2352413-4	2352413-1	MMC-PB-S RECEPTACLE 1 Series	114-78042
	0.51 [20]					0.97 ± 0.05 [.038± .002]	–			
2368883-1	0.08-0.15 [28-26]	1.05-1.40 [.041-.055]	NO	YES	2.0+/-0.3 [.079+/-.012]	0.65 ± 0.05 [.026 ±.002]	–	2354728-2	MMC-PB BRAKE RECEPTACLE	114-78045
	0.23 [24]					0.73 ± 0.05 [.029± .002]				
2386890-1	0.50-0.75 [20-18]	1.53-2.50 [.060-.098]	YES	NO	4.1+/-0.3 [.161+/-.012]	1.25 ± 0.05 [.049 ±.002]	2352424-3	2352424-1	MMC-PB-L RECEPTACLE 3 Series	114-78043
	1.25 [16]					1.50 ± 0.05 [.059± .002]				
2401910-1	0.22 [24]	0.95-1.30 [.037-.051]	NO	YES	3.65+/-0.15 [.144+/-.006]	0.64 ± 0.02 [.025 ±.001]	–	2834464-6	MINI DYNAMIC RECEPTACLE TERMINAL	114-137526
	0.35 [22]					0.72 ± 0.02 [.028± .001]				
2402611-1	0.13 [26]	0.85-1.10 [.034-.043]	NO	YES	3.65+/-0.15 [.144+/-.006]	0.59 ± 0.02 [.023 ±.001]	–	2834464-5	MINI DYNAMIC RECEPTACLE TERMINAL	114-137526
	0.17 [25]					0.63 ± 0.02 [.025± .001]				

DRW NO 1583011

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P	LTR	REVISION RECORD	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–
	–	SEE SHEET 1	–	–	–

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
SURFACE TEXTURE –√–

DWN M. YOUNGER	21FEB2012	MATERIAL – –
CHK B.A.WOLFE	22FEB2012	HEAT TREAT – –
APVD B.A. WOLFE	22FEB2012	TE Connectivity

NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS

SCALE – | SIZE A1 | DRAWING NO 1583011 | SHEET 9 OF 10 | REV F23

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