											USED ON
TOOL NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER	INSUL, ADJ,	FLIP LOCATOR	STRIP LENGTH	CRIMP HEIGHT		CONTACT P	ART NUMBERS 🔬		
		mm [in.]			mm [in.]	mm [in.]		PIECE	STRIP FORM	CONTACT DESCRIP,	APPLIC, Specif,
91507-1 91507-3	0,20-0,50 [24-20]	1.14-1.78 [.045070]			3,56 ± 0,39 [,140 ± ,0155]	$0.84 \pm 0.05$ [.033 ± .002]	6078	9-[] 6-[]	60598-[ ] 61119-[ ]	,058 DIAMETER PC CONTACT	114-1008
91526-1 91526-3	0,12-0,38 [26-22] 0,50-0,96 [20-18]	1,27-2,92 [,050-,115]	YES	ND	3,96 ± 0,38 [,156 ± ,015]	$\begin{array}{c} 0.71 \pm 0.057 \\ [.028 \pm .002] \\ 0.97 \pm 0.057 \\ [.038 \pm .002] \end{array}$	35066 64054 64058 64130	15-[] 30-[]	350665-[ ] 350967-[ ] 350969-[ ] 641294-[ ]	MINIATURE RECTANGULAR Contacts	114-1014
91531-1 91531-3	0,12-0,35 pin [26-22] 0,12-0,35recp [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 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	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
91534-1 91534-3	0,12-0,24 [26-24]	0.64-1.27 [.025050]	YES		3,96 ± 0,38 [,156 ± ,015]	$0.71 \pm 0.05$ [.028 ± .002]		79-[] )1-[]	350968-[ ] 794000-[ ]	MINIATURE RECTANGULAR CONTACTS	114-1014
91535-1 91535-3	0,20-0,35 [24-22] 0,50-0,56 [20]	1,22-2,03 [,048-,080]	YES		3,56 ± 0,38 [,140 ± ,015]	$\begin{array}{c} 0.84 \pm 0.05 \\ [.033 \pm .002] \\ 0.99 \pm 0.05 \\ [.039 \pm .002] \end{array}$	531477-3 531477-5 583853-4 583853-5	583853-9 1-583853-1	531477-1583853-3531477-2583853-7531477-4583853-8583853-11-583853-0583853-21-583853-3	TWIN LEAF Contacts	114-9004
91537-1	0,12-0,22 [26-24]	1.02-1.42 [.040056] 1.02-1.75 [.040069]			$3.18 \pm 0.38$	0.622 ± .038 [ .0245 ± .0015	86571-[]	88067-[ ] 181270-[ ]	86557-[] 88067-2 86566-[] 86656-2 86655-2	FLEXIBLE FLAT CABLE	114-16003 114-16007
91537-3	0.30-0.35 [22]	1.02-1.42 [.040056] 1.02-1.75 [.040069]			[.125 ± .015]	0,71 ± 0,05 [,028 ± ,002]	86561-[ ] 86571-[ ] 86658-2 86657-2	88067-[ ] 181270-[ ]	86557-[] 88067-2 86566-[] 86656-2 86655-2		114-16015 114-20004
91538-1 91538-3	0.05-0.56 [30-20]	0,76-2,16 [,030-,085]			5,16 ± 0,38 [,203 ± ,015]	1,09 ± 0,05 [,043 ± ,002]			JCTION SHEET -10274	TYPE II SCREW MACHINE Contact	114-10026

A 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.

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

DRAWING IS A CONTROLLED DOCUMENT.

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3308-8 (1/15)

8

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

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<sup>4.</sup> 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.

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								dwn M. YOUNGER		21FEB2012	MATERIAL –	F	IEAT TREAT –	
					DIMENSIONS:	TOL OTHE	ERANCES UNLESS RWISE SPECIFIED:	снк B.A.WOLFE		22FEB2012				
						0 PLC 1 PLC	± _ ± -	apvd B.A. WOLFE		22FEB2012		E	TE Connec	ctivity
		REVISED	18FEB2022 02/2021		$\oplus$	2 PLC 3 PLC 4 PLC	± - ± - ± -	NAME	CEF	RTI-CRIMF	I P II TOOL DATA ANEOUS CONTA	A SHEET		
Ρ	- Z Z	REVISED REVISION RECORD	DATE		ANGLES ± - SURFACE TEXTURE			SCALE SIZE		NO	3011	SHEET	<sup>of</sup> 10	rev F23
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												USED ON
TOOL NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER mm [in.]	INSUL, ADJ,	FLIP LOCATOR	STRIP LENGTH mm [in,]	CRIMP HEIGHT mm [in,]		PIECE	ART NUMBER	$S \Lambda$ F D R M		
											CONTACT DESCRIP,	APPLIC, Specif,
	0.30-0.89 [22-18]	_					PIN -	SOCKET 201751-[ ]		EEN BARREL Houlder		
	2×0,75 [2×18]	_	_				PIN 202725-[ ]	SOCKET 202726-[]	COLOR: BLUE	SHOULDER		
91539-1 91539-3	0.75-1.42 [18-16]	_			6,35±0,38 [,250±,015]	1,60 ± 0,05 [,063 ± ,002]	PIN 200681-[ ] 200336-[ ] 204274-[ ] 204219-[ ] 207893-[ ]	SOCKET 201589-[] 200333-[] 207896-[] 130743-1	LULUR' DLU	JE BARREL Houlder	TYPE II SCREW MACHINE Contact	114-10026
	2,00-2,27 [14]	_					PIN 201645-[] 201570-[]	SOCKET 201568-[]		LET BARREL Houlder		
91540-1	0.12-0.35 [26-22]	0,91-1,42 [,036-,056]			$3.56 \pm 0.38$	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 &	
91540-3	0,03-0,09 [32-28]	0,64-1,37 [,025-,054]	YES		[.140 ± .015]	0,56 ± 0,05 [,022 ± ,002]	531225-3 530901-3	530901-5 530901-7	531225-6 530901-1 530901-2	530901-4 530901-6	- MINI-TANDEM SPRING Contacts	114-25021
91544-1 91544-3	0,20-0,35 [24-22] 0,50-0,56 [20]	1,58 MAX [,062] MAX	YES		3,96 ± 0,38 [,156 ± ,015]	$0.724 \pm 0.051$ [.0285 ± .002] $0.876 \pm 0.051$ [.0345 ± .002]	164169-[ ] 164170-[ ] 166296-[ ] 166297-[ ]	203802-[ ] 203816-[ ]	164153-[ ] 164155-[ ] 166046-[ ] 166047-[ ]	203801-[ ] 203815-[ ]	TYPE XI Contact	114-10002
91546-1 91546-3	0,50-0,89 [20-18]	2,03-2,54 [,080-,100]			$4.76 \pm 0.38$ [.188 ± .015]	$1.42 \pm 0.05$ [.056 $\pm$ .002]	416	667	41	650	TAPER PIN Contact	114-7006
91547-1 91547-3	0,20-0,35 [24-22]	1,02-1,52 [,040-,060]			$3.18 \pm 0.38$ [.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] 2×0,2 DR 2×0,3 [2×24 DR 2×22]	1.02-1.78 [.040070] 2.79 [.110] MAX TOTAL			2,92-3,68 [,115-,145]	$0.991 \pm 0.038$ [.039 ± .0015] 1.067 ± 0.038 [.042 ± .0015]		0-[] 186-6		5-[ ] 586-3	AMP-BLADE RECEPTACLE Contact	108-9202

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6

2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS. A -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY, -3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY,

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3308-8 (1/15)

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							L		dwn M. Younger	2	21FEB2012	MATERIAL –	HEAT T	REAT	
									СНК		22FEB2012	_		_	
ſ						1	DIMENSIONS: O	TOLERANCES UNLESS OTHERWISE SPECIFIED:	B.A.WOLFE						
							0 PL	LC ± _	APVD		22FEB2012	STE	TE	Connect	tivity
		_	SEE SHEET 1	_	_	_			B.A. WOLFE						
							3 PL	LC ± –	NAME		CERTI-CRIMP	II TOOL DATA S	HEET		
		-	SEE SHEET 1	_	_	_	ANGLES ± -		SCALE SI	ZE D	MISCELLA RAWING NO	NEOUS CONTACT	SHEET		REV
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TUUL NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER	INSUL, ADJ,	FLIP Locator	STRIP LENGTH	CRIMP HEIGHT	CONTACT PA	rt numbers 🛆		
		mm [in.]			mm [in.]	mm [in,]	LOOSE PIECE	STRIP FORM		
									CONTACT DESCRIP,	APPLIC, Specif,
91354-1	1.94-2.15 [14]	2,18-3,94 [,086-,155]			4,8-5,6 [,189-,220]	$1.70 \pm 0.05$ [.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 [.059069]	- N 🗆		4,8-5,6	$1.10 \pm 0.05$ [.043 ± .002]		9-1437846-1	.040″ [DUAL CONTACT]	114-13039
	0,81-0,96 [18]	1,70-3,00 [,067-,118]			[,189-,220]	$1.45 \pm 0.05$ [.057 ± .002]		9-1437846-2	SBEC 1 MM TERMINAL	
91356-1	1,28-1,42 [16]	2.18-2.41 [.086095]			4,8-5,6 [,189-,220]	$1.32 \pm 0.05$ [.052 ± .002]		1456004-1	1 MM TERMINAL	114-13039
91357-1	0.50-0.60 [20]	1,70-1,93 [,067-,076]			4,8-5,6	$1.05 \pm 0.05$ [.041 ± .002]		1456004-2	– 1 MM TERMINAL	114-13039
	0,81-0,96 [18]	1,90-2,25 [,075-,089]			[,189-,220]	$1.15 \pm 0.05$ [.045 ± .002]		1456004-1		
91599-1	0.20-0.22 [24]	0,96-1,12 [,038-,044]			2,5-3,3 [,100-,130]	$0.79 \pm 0.05$ [.031 ± .002]	1604735-1		FUSE CLIP	N/A
1725061-1	0.30-0.35 [22]	1.34-1.60 [.053063]			3,8-4,8 [,150-,189]	$1.55 \pm 0.13$ [.061 ± .005]	ASCO PN: 280019-001		ASCO REDHAT	N/A
1804573-1	0.50-0.56×2 [20×2]	1,27-1,83 [,050-,072]			2,9-3,7	$1.11 \pm 0.05$ [.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]			[,115-,145]	0,99 ± 0,05 [,039 ± ,002]				
	0,12-0,37 (26-22)	1.20-1.90 (.047075)				$0.83 \pm 0.04$ (.033 ± .002)	175153 175155	175149 175151		
1213783-1	0,50-0,89 (20-18)	1,70-2,70 (,067-,106)			3,2 ± 0,5 (,12 ± ,02)		175154 175156	175150 175152	UNIVERSAL Power Contact	114-5142
	1,25-1,42 (16)	2,50-3,30 (,098-,130)				$1.43 \pm 0.05$ (.056 ± .002)				

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7

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

6

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3308-8 (1/15)

8

A -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.

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	_	SEE SHEET 1	-	_	_	(
		SEE SHEET 1	-		—	ANGLES ±
Ρ	LTR	REVISION RECORD	DATE	DWN	APVD	SURFACE TE

3

USED ON \_\_\_\_

CERTI-CRIMP II DATA SHEET Theat treat 21FEB2012 MATERIAL M. YOUNGER \_ 22FEB2012 TOLERANCES UNLESS OTHERWISE SPECIFIED: ENSIONS: B.A.WOLFE 22FEB2012 **E** TE Connectivity  $\bigcirc \bigcirc$ B.A. WOLFE CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS DRAWING NO SHEET cale size df — A1 SHEET REV 3 OF 10 F23 1583011 TEXTURE -2

TOOL NUMBER	WIRE SIZE	INSULATION DIAMETER	INSUL, ADJ, L	FLIP CATOR	STRIP LENGTH	CRIMP HEIGHT	CONTACT PA	ART NUMBERS $\triangle$
	mm <sup>2</sup> [AWG]	mm [in.]			mm [in.]	mm [in.]	LOOSE PIECE	STRIP FORM
1901760-1 1901760-3	0.30-0.56 [22-20]	1,5-2,4 [,059-,094]			4,0 ± 0,2 [,156 ± ,008]	0,99 ± 0,14 [,039 ± ,003]	1-170321-1	1-170291-1
1901771-1	0.50-0.96 [20-18]	1,27-2,92			$4.0 \pm 0.4$	0,97 ± 0,05 [,039 ± ,002]	350037	350019
1901771-3	0,12-0,38 [26-22]	[,050-,115]	YES		[,156 ± ,015]	$0.71 \pm 0.05$ [.028 ± .002]	350036	350018
1901786-1	0,03-0,09	0.64-1.52 [.025060]			3,96-3,18	$0.53 \pm 0.05$	530901-3	530901-2
1901786-3	[32-28]	0,64-1,37 [,025-,054]	YES		[.156125]	$[.021 \pm .002]$	104506-[]	104506-[]
1901798-1 1901798-3	0,20-0,38 [24-22] 0,5-0,6 [20]	0,97-1,57 [,038-,062] 1,27-2,54 [,050-,100]	YES		3,96 [,156]	$0.89 \pm 0.05$ [.035 ± .002] 1.02 ± 0.05 [.040 ± .002]		⚠ 867052-[]
1901829-1	INSULATION PIERCING	1.40 [.055]			USE	1,27 ± 0,05 [,050 ± ,002]	102348-2	87107-5
1901829-3	SEE INSULATION DIAMETER	1.02 [.040]			UNSTRIPPED VIRE	$1.17 \pm 0.05$ [.046 ± .002]	102348-3	87107-6
1901957-1	0.05-0.15 [30-26]	1.0-1.9 [.039075]			$2.5 \pm 0.5$	0,71-0,86 [,028-,034]	171612-[]	171610-E ]
1901957-3	0.12-0.35 [26-22]	0.9–1.5 [.035–.059]	YES		[.098 ± .020]	0,59-0,73 [,023-,029]	171611-[ ]	171609-[]
1901963-1 1901963-3	1,28-2,15 [16-14] 0,50-0,96 [20-18]	3,3-4,6 [,130-,180] 2,5-4,6 [,100-,180]	YES	$\mathbb{N}$	6,35 ± 1,60 [,250 ± ,062]	$\begin{array}{c} 1.68 \pm 0.08 \\ [.066 \pm .003] \\ 1.40 \pm 0.08 \\ [.055 \pm .003] \end{array}$	SOCKET PIN 350388-1 350389-1	SOCKET PIN 61626-1 61627-1
1976150-1-	0.50-1.00 [24-20] 0.21-0.56 [32-26]	1.80 MAX [.071 MAX] 1.27 MAX [.050 MAX]	YES		4,37±0,25 [,172±,010]	$0.94 \pm 0.05$ [.037 ± .002] $0.978 \pm 0.050$ [.0385 ± .0020]		86497-2 86008-1
2217748-1-	0,80-0,50 [18-20] 1,40 [16]	1,7-2,7 [,067-,106]	YES		5.10 ± 0.40 [.200 ± .016]	$1.22 \pm 0.05$ [.048 ± .002] $1.40 \pm 0.050$ [.055 ± .0020]	770854-1	770520-1

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3308-8 (1/15)

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DIMENSIONS: mm  $\bigoplus$ - SEE SHEET 1 SEE SHEET 1 \_ DATE DWN APVD SURFACE TEXTURE REVISION RECORD

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M	CONTACT DESCRIP,	APPLIC, Specif,	D
	DUAL LINK Interlock conn.	114-5045	
	MINIATURE RECTANGULAR Contact	114-1014	
	MINI TANDEM SPRING RCPT	114-25021	
	AMPMODU MTE PIN	114-25026	
]	LOCKING CLIP ,025-IN, Square contact	114-25006	С
	MOD IV CRIMP SNAP-IN RCPT	114-25003	
	AMP-ULTREX 2.5mm/2.54mm PITCH RECEPTACLE CONTACT	114-5077	
N 27-1	,140 MATE-N-LOK Pin and Socket	114-1007	В
	HI PRESSURE Ampmodu (inverted)	114-25010	
	AMPSEAL	114-16016	
	on specification to ve terminal housing.	ERIFY	A
CERT	I-CRIMP II DA	TA SHEET	
	DWN 21FEB2012 MATE M. YOUNGER	RIAL HEAT TREAT	

22FEB2012

CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS

1583011

22FEB2012 TE Connectivity

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SHEET REV 4 OF 10 F23

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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2 PLC 3 PLC

B.A.WOLFE

NAME

CALE

B.A. WOLFE

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USED ON \_\_\_\_

										USED ON
TODL NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER mm [in.]	INSUL, ADJ,	FLIP LOCATO	STRIP ]r length mm [in.]	CRIMP HEIGHT mm [in,]	CONTACT PA Loose piece	ART NUMBERS A Strip form		
-1									CONTACT DESCRIP.	APPLIC, Specif,
1901557-1	0,50-0,56 [ 20 ] 0,75-0,89 [ 18 ]	2,20-2,60 [,087-,102]	ND	ND	4,0-5,0 [,157-,197]	$1.285 \pm 0.065$ [.0505 ± .0025] $1.310 \pm 0.090$ [.0515 ± .0035]	170112 170113	170099-2 170100-2	,079 (2,0mm) DIA PIN & RECEPTACLE	114-5019
1901557-3	1,25-1,42 [ 16 ] 2,00-2,27 [ 14 ]	2.70-3.50 [.106138]		ND	4,5-7,0 [,177-,276]	$1.645 \pm 0.050$ [.0652 ± .0020] $1.690 \pm 0.090$ [.0665 ± .0035]	170292 170293 171654	170279-1 170280-1 172786-1	.079 (2.0mm) DIA PIN & RECEPTACLE, LANCELESS	114-5039
1976577-1	0.80-1.24 [ 20-18 ]	1,37-1,88 [,054-,074]			2,92-3,68	$1.35 \pm 0.05$ [.053 $\pm$ .002]	66169	66144	AMP-TAB	100 5000
1976577-3	0,40-0,64 [ 26-22 ]	0,89-1,37 [,035-,054]			[,115-,145]	0,94 ± 0,50 [,037 ± ,002]	66168	66143	CONTACTS	108-5039
2031245-1	0,50-0,90 [ 20-18 ]	1,27-1,65 [,050-,065]			3,18-3,96	1,029 ± 0,051 [,0405 ± ,002]	167730-1	_		
2031245-3	0,20-0,40	0,89-1,40 [,035-,055]			[.125156]	$0.775 \pm 0.051$ [.0305 $\pm$ .002]	164715-1	_	AMP-LEAF	114-9003
2031200-1 2031200-3	0,20-0,22 [24]	1.02 [.040]		ND	3.56 ± 0.39 [.140 ± .015]	0,84 ± 0,05 [,033 ± ,002]	60789 61276	60598 61119	,058 DIA PC CONTACT	114-1008
	0.5-0.6 [ 20 ]	1.8-2.1				0,89-1,05 [,035-,041]				
2063834-1	0,8-0,9 [ 18 ]	[.071083]	YES		4,00-5,00 [,157-,197]	0,89–1,08 [,035–,043]	179419-1 179420-1	_	,040 III UNSEALED Receptacle contact	114-5217
2063834-3	1,25-14,42 [ 16 ]	1.8-2.2 [.071087]				1,06-1,40 [,042-,055]	1376702-1			
2063850-1 2063850-3	0,30-0,89 [22-18]	1.1-1.8 [.043071]	YES	ND	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]			_	_	328854 328858 328855 328859 328856 328860 328857 328861		PRE-INSULATED SPARE WIRE CAP	_
2063857-1 <u>4</u>	22 OR 20 OR (2)24 18 OR (2)20 OR (2)22	1,52-2,29 [,060-,090]			3,56±0,40 [,140±,015]	$0.94 \pm 0.05$ [.037 ± .002] 1.24 ± 0.05 [.049 ± .002]	640024-1	640259-1	,058 DIA PC CONTACT	114-1008

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3308-8 (1/15)

8

A 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.

7

A -1 IS A CERT -3 IS A CER THE HAND TOE ALSO KNOWN A TOOLS USE IS USE IS 408-10 USE IS 408-10

6

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

RTI-CRIMP II HAND TOOL ASSEMBLY, ERTI-CRIMP II HEAD SUB-ASSEMBLY,					
TOOL INSTRUCTION SHEET, N AS AN "IS", FOR MOST CERTI-CRIMP II IS 408-8547, IF THE TOOL HAS A FLI -10414, THE 91538-1 AND -3 TOOL			DIMENSIONS: mm 0 PLC ± -	DWN 21FEB2012 M. YOUNGER CHK 22FEB2012 B.A.WOLFE APVD 22FEB2012	
-10274.	-     SEE     SHEET     1       -     SEE     SHEET     1       P     LTR     REVISION     RECORD	DATE         DWN         APVD	$ \begin{array}{c cccc} & 1 & PLC & \pm & - \\ 2 & PLC & \pm & - \\ 3 & PLC & \pm & - \\ 4 & PLC & \pm & - \\ \end{array} $ ANGLES $\pm & - \\ \end{array} $ SURFACE TEXTURE $- $	SCALE SIZE DRAWING NO	AP II TOOL DATA SHEET LANEOUS CONTACTS 33011 5 <sup>of</sup> 10 F23
5 4	3		2		1

										USED ON
	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER mm [in.]	INSUL, Adj,	FLIP Locator	STRIP LENGTH mm [in.]	CRIMP HEIGHT mm [in.]	CONTACT PAR Loose piece	T NUMBERS A Strip form		
			4 N 3						CONTACT DESCRIP,	APPLIC, Specif,
2119536-1 2119536-3	0,03 [32] 0,50-0,06 [30]	0,4-0,7 [,016-,028] 0,5-0,8	YES	YES	1,0-1,2 [,04-,05]	$\begin{array}{c} 0.405 \pm 0.025 \\ [.0159 \pm .0010] \\ 0.419 \pm 0.025 \\ [.0165 \pm .0010] \end{array}$		1734597-1	1,0 WIRE TO Board connector	114-57020
2119537-1 2119537-3	0,08-0,09 [28] 0,03 [32] 0,05-0,06 [30]	[,020-,031] 0,9-1,2 [,035-,047]	YES	YES	0,9-1,3 [,04-,05]	$\begin{array}{c} 0.460 \pm 0.025 \\ [.0181 \pm .0010] \\ 0.485 \pm 0.025 \\ [.0190 \pm .0010] \\ 0.505 \pm 0.025 \\ [.0200 \pm .0010] \end{array}$		1734193-1	1.25 WIRE TO Board connector	114-57016
2119538-1	0,08-0,09 [28] 0,05-0,06 [30] 0,08-0,12 [28-26]	.089-1.50 [.035059]	N 🗆	YES	1,9-2,5 [,08-,10]	$\begin{array}{c} 0.535 \pm 0.025 \\ [.0210 \pm .0010] \\ 0.550 \pm 0.025 \\ [.022 \pm .0010] \\ 0.550 \pm 0.025 \\ [.022 \pm .0010] \\ \end{array}$		1775442-1	2,0 WIRE TO Board connector	114-57011
119538-3 - 119539-1 -	0,20 [24] 0,05 [30] 0,08-0,14				1.9-2.5	$\begin{array}{c} 1.022 \pm .00101 \\ 0.580 \pm 0.025 \\ 1.023 \pm .00101 \\ 0.545 \pm 0.025 \\ 1.0215 \pm .00101 \\ 0.584 \pm 0.025 \end{array}$		440132-1	2.0 WIRE TO	
119539-3 -	0,08-0,14 [28-26] 0,22 [24] 0,20-0,35	[.035059]	YES	YES	[.0810]	$\begin{array}{c} 0.384 \pm 0.023 \\ \hline 0.023 \pm .00101 \\ \hline 0.645 \pm 0.025 \\ \hline 0.0255 \pm .00101 \\ \hline 0.94 \pm 0.05 \end{array}$		1735801-1	BOARD CONNECTOR	114-57011
752794-1	[24-22] 0,50-0,56 [20] ,013	0,80-0,95	- N 🗆	N	3,1-3,6 [,12-,14]	[,037±,002] 1,07±0,05 [,042±,002] 0,61±0,025		42869-6 1-1703930-1	,040 PIN RECEPT	114-2083
1976156-1 -	[26] 0,20-0,22 [24] 0,35	[,031-,037] ,090-1,20 [0,35-,047] 1,0-1,2	- N 🗆	YES	3.25-3.55 [.1314]	[,024±,001] 0,66±0,025 [,026±,001] 0,82±0,025	1-211449-2 1-211449-6 1-2112449-1	1-1703930-1 1-1703930-2 1-1703930-6 1-1703930-1	NAND MQS	114-18858
1976157-1 -	[22] 0.35 [22]	[,039-,047] 1,2-1,3 [,047-,051]	- N 🗆	YES	3.25-3.55 [.1314]	[,032±,001] 0,82±0,025 [,032±,001]	1-2112449-2 1-2112449-6	1-1703930-2 1-1703930-6	NAND MQS	114-18858

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7

2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS. A -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY, -3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY,

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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.

4

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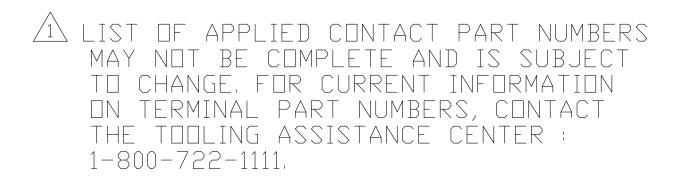
3308-8 (1/15)

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	• [ ]					CER		-CR			$\square \land$	$\top \land$			$\top$
									DWN		21FEB2012	MATERIAL	HEAT	TREAT	
						DIMENSIONS:		ERANCES UNLESS RWISE SPECIFIED:	M. YOUN		22FEB2012	-			
						mm	0 PLC 1 PLC	± _	B.A.WOLFI apvd B.A. WOL		22FEB2012	-E TE	TE	Connect	tivity
	—	SEE SHEET 1	_	—	—		2 PLC 3 PLC	± - ± -	NAME			II TOOL DATA S			
	_	SEE SHEET 1	_	_	_	ANGLES± –	4 PLC	± -	-		MISCELLA	NEOUS CONTACTS			0.51
Ρ	LTR	REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE			SCALE	SIZE DRAWIN	1583	3011	SHEET 6		rev F23
		3						2				1			

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T D D L NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER	INSUL, ADJ,	FLIP Locator	STRIP LENGTH mm [in,]	CRIMP HEIGHT	CONTACT P	ART NUMBERS
		mm [in.]	4 0 P			mm [in.]	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 [.67114]	YES		2,69-3,30 [,106-,130]	$\begin{array}{c} 1.00 \pm 0.05 \\ [.039 \pm .002] \\ 1.10 \pm 0.05 \\ [.043 \pm .002] \\ 1.15 \pm 0.05 \\ [.043 \pm .002] \end{array}$	1744395-1	1744144-1
2217660-1	0,50-0,60 [20] 0,81-0,89 [18] 1,25-1,42 [16]	1.7-2.9 [.67114]	YES	N	2,46-2,84 [,097-,112]	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1744396-1	1744201-1
2217742-1	0,50-0,90 [20-18] 1,25-1,42 [16]	1,85-2,29 [,073-,090]	YES	N	3,18-3,56 [,125-,156]	1,092±0,051 [.043±.002] 1,346±0,051 [.053±.002]	583875-3 583875-6 5-583875-6	583875-2 583875-5 5-583875-5
2217754-1	0.30-1.00 [2X22-1X18] 0.30-0.60 [22-20]	2X22=3.05 MAX [.120 MAX] 1X18=1.65-2.03 [.065080]	- N 🗆	ND	3,18-3,56 [,125-,156]	1,1304±0,038 [,0445±,0015] 0,9779±0,0381 [,0385±,0015]	42840-[ ] 583272-[ ] 583989-[ ]	42717-[] []-58336 60030-[] 5835 583271-[][]-58398
2217766-1	0,32-0,60 [22-20] 0,80-0,90 [18]	1,27-2,54 [,50-,100]	YES	ND	3,96 [,156]	1,02 ± 0,05 [,040±,002] 1,22± 0,05 [,048±,002]	- 87278-[]	87269-[]
2280413-1	0,85-0,87 [18] 0,51-0,53 [20] 0,34-0,37 [22]		N	YES 1 RECPT, 2 PIN 3 GROUND	1.60 [.063]	$\begin{array}{c} 1.15 \pm 0.05 \\ [.0153 \pm .002] \\ 1.00 \pm 0.05 \\ [.0394 \pm .002] \\ 0.85 \pm 0.05 \\ [.0335 \pm .002] \end{array}$		RECPT-2271279 PIN-2271283-[ GROUND-2271285
2217746-1	0,50-1,40 [2X20-2X18-16] 0,50-0,60 [20]	4,06 MAX [.160 MAX] 1,40-2,03 [.055080]	- N 🗆	ND	3,56±0,38 [,140±,015]	$\begin{array}{c} 1,384 \pm 0.051 \\ [.0545 \pm .0020] \\ 1.054 \pm 0.038 \\ [.0415 \pm .0015] \end{array}$	42840-3 66028-3 []-583989-[] 583991-3	42717-3 600 []-583361-[] 1-60 60151-[] 660 42840-1 1-66 1-42840-3 1-42840-4
2217743-1	0,40-1,00 [21-8/2X22] 0,10-0,40 [26-22]	3.05 MAX [.120 MAX] 1.27-1.53 [.050060]	- N 🗌	ND	3,56±0,38 [,140±,015]	1,029 ±0,038 [,0405 ±,0015] 0,775 ±,0038 [,0305 ±,0015]	42840-3 583268-[ ]	42717-1 58327 42702-1 58399 583267-[ ] 58399 583271-[ ] 58398



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

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⚠ –1 IS A CERTI-CRIMP II HANI –3 IS A CERTI-CRIMP II HE4

4. THE HAND TOOL INSTRUCTION ALSO KNOWN AS AN "IS", FOR TOOLS USE IS 408-8547, IF USE IS 408-10414, THE 91533 USE IS 408-10274,

6

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3308-8 (1/15)

ND TOOL ASSEMBLY, EAD SUB-ASSEMBLY,							CERT		
N SHEET, JR Most certi-crimp II F the tool has a flip loc	ΥΔΤΠR							DIMENSIONS:	TOL OTHE 0 PLC 1 PLC
538-1 AND $-3$ TOOL				SEE SHEET 1 SEE SHEET 1	-	-	_	ANGLES± -	1 PLC 2 PLC 3 PLC 4 PLC
		P	LTR	REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE	-
5		4							

M	CONTA	ACT DE	ISCRIP,		PLIC, ECIF,	
	ECDNE	]MY P[	IWER II	114-	13265	
	ECDNE	]my pe	IWER II	114 —	13265	
5	TWIN	leaf (	CONTACT	- 114-	-9004	
361-[ ] 355-[ ] 989-[ ]	AMP L	_EAF C	ONTACT	114-	-9003	
		ICKING C CONTACT 31 X ,0		114 -	25008	
9-[] -[] 5-[]	MICRO	Motor	CONN,	114-	-5377	
0082-1 50082-3 6028-1 56028-3	AMP I	_EAF C	ONTACT	114 -	-9003	
272-[ ] 990-[ ] 991-[ ] 989-[ ]	AMP L	_EAF C	ONTACT	114-	-9003	
	I-CRI		I DA	TA	SHEE	$\square$
		dwn M. YOUNGER	21FEB2012	MATERIAL –	HEAT TREAT _	
IENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	chk B.A.WOLFE apvd	22FEB2012 22FEB2012	<del>S</del> TE	TE Connec	tivity
	) PLC ± - PLC ± - ? PLC ± - 5 PLC ± - - PLC ± -	B.A. WOLFE NAME	CERTI-CRIMF	P II TOOL DATA S ANEOUS CONTACTS	HEET	
− TEXTURE − V		scale Size	DRAWING NO	3011	sheet 7 <sup>of</sup> 10	rev F23

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	T D D L NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER	INSUL, ADJ,	FLIP Locator	STRIP LENGTH mm [in,]	CRIMP HEIGHT	CONTACT PA	ART NUMBERS
			mm [in.]	4 N 3			mm [in.]	LOOSE PIECE	STRIP FORM
	-1 3	0,30-0,60 (22-20) 0,12-0,20 (26-24)	1,02-2,04 (,040-,080) 1,02-1,53 (,040-,060)	N		3.3 ± 0.4 (.130 ± .015)	$\begin{array}{c} 1.067 \pm 0.038 \\ (.042 \pm .0015) \\ 0.813 \pm 0.038 \\ (.032 \pm .0015) \end{array}$	66010-2 66011-2	66005
	2217748-1-	0.80-0.50 [18-20] 1.40 [16]	1,7-2,7	YES		5.10 ± 0.40 [.200 ± .016]	$ \begin{array}{c} 1,22 \pm 0.05 \\ \hline 1,048 \pm .0021 \\ \hline 1,40 \pm 0.05 \\ \hline 1,055 \pm .0021 \end{array} $	770854-1	770520-1
	2217753-1-	1,4-2,1 [16-14] 0,90 [18]	2,26-3,18 [,089-,125]	ND		5,08 ± 0,40 [,200 ± ,016]	$\begin{array}{c} 1.55 \pm 0.05 \\ \hline [.061 \pm .002] \\ 1.37 \pm 0.05 \\ \hline [.054 \pm .002] \end{array}$		776491-[ ] 638112-[ ]
	2844375-1	0.13 [26] 0.35 [22]	0,85-1,05 [,033-,041] 1,10-1,20 [,043-,047]	N 🗆	YES	3,25-3,55 [,128-,140]	0.59  0.02 [.0230±.0008] $0.67 \pm 0.03$ [.0264 ±.0012]		2098583-4 2098583-1
	2217755-1-	0,35 [22] 0,15-0,24 [26-24] 0,06-0,90 [30-28]	1.10-1.40 [.043055] 1.52 MAX [.060 MAX]	YES		3.05 [0.120]	$\begin{array}{c} 0.68 \pm 0.02 \\ [.0268 \pm .0008] \\ 0.64 \pm 0.05 \\ [.025 \pm .002] \\ 0.58 \pm 0.05 \\ [.023 \pm .002] \end{array}$		2098583-2
	2217752-1-	0,24-0,30 [24-22] 0,60-0,90 [20-18]	1.27-2.29 [.050090] 1.52-2.79 [.060110]	- YES		4,8-5,6 [,189-,220] 4,0-4,4	$\begin{array}{c} 0.765 \pm 0.036 \\ \hline [.030 \pm .0014] \\ \hline 0.955 \pm 0.028 \\ \hline [.0376 \pm .0011] \end{array}$	61120-1 61122-1 61121-1 61123-1	61061 61063 61062 61064
	2280517-1	1.00 mm2 16 AWG 1.50 mm2	2.10 MAX [.082] 2.40 MAX [.094]	N 🗆		4.0-4.4 [.157173] 3.7-4.1 [.146161]	$\begin{array}{c} 1.12 \pm 0.05 \\ \hline 0.044 \pm .0021 \\ 1.31 \pm 0.05 \\ \hline 0.052 \pm .0021 \\ 1.40 \pm 0.05 \\ \hline 0.051 \\$		1924782-[ ] 1924880-[ ]
	2305567-1	0,30-0,40 [22] 0,80-,90 [18] 0,50-0,60	1,60-2,00 [,063-,078]	N 🗆	YES	2.30-2.60 [.90102]	$\begin{bmatrix} .055 \pm .002 \end{bmatrix} \\ 0.76 & 0.05 \\ [.0299 \pm .002 ] \\ 1.05 \pm 0.05 \\ [.0413 \pm .002 ] \\ 0.87 \pm 0.05 \end{bmatrix}$	2834067-E ] 2834068-E ]	1-2834067-E 2-2834067-E 1-2834068-E 2-2834068-E
	2305781-1	[20] 0.15-0.30 [26-22] 0.08-0.14	0,89-1,65 [,035-3045]	YES		3.56-3.94 [.140155]	$\begin{array}{c} [.0342 \pm .002] \\ 0.66 \pm 0.05 \\ [.026 \pm .002] \\ 0.625 \pm 0.025 \end{array}$	350189-E ] 60983-E ]	61513-[ ] 60804-[ ]
	2063720-1	[28-26] 0,20 [24] 0,30-0,40	1.00-1.90 [.039075]	YES	YES	1.9-2.5 [0.075-0.098]	[,0246±,0010] 0,70±0,05 [,028±,002] 0,75±0,05		440134-1
3308-	8 (1/15)	[22]	7	6		5	[,029 ±,002]	Image: Constraint of the second se	DIMENSION DIMENSION DIMENSION mm mm mm mm mm mm mm mm mm m

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		USED ON	7
<u>1</u> 2 M	CONTACT DESCRIP.	APPLIC, Specif,	
	AMP BLADE RECEPT.	108-9201	
	AMPSEAL	114-16016	
	HDSF SIZE 16 PIN & SOCKET	114-13045	
4	0,50MM RECEPTICLE Contact	114-13287	
	.062 PIN & SOCKET MINI UNIVERSAL MATE-N-LOK MINI UNIVERSAL MATE-N-LOK 2	114-1013 114-16017 114-1111	
	AMP COMBO LINE Connectors	408-7305	
	GET NEW GENERATION FEMALE 0.64mm SOCKET CONTACTS	114-13236	
	MINIATURE WATERPROOF Connector	114-137093	
]	PRINTED CIRCUIT BOARD DISCONNECTED RECPTACLE CONTACTS	114-1008	
	AMP 2.5mm PITCH HPI HIGH PERFORMANCE INTERNCONNECT (LOW COST) WIRE-TO-BOARD SYSTEM	114-57004	
	DWN     21FEB2012     MATER       M. YOUNGER     CHK     22FEB2012       OTHERWISE SPECIFIED:     B.A.WOLFE     APVD       PLC     ±     B.A. WOLFE       PLC     ±     B.A. WOLFE       PLC     ±     CERTI-CRIMP II T       MME     CERTI-CRIMP II T       MISCELLANEOU	OOL DATA SHEET SHEET OF REV	-
	2	1	

TOOL NUMBER	WIRE SIZE mm <sup>2</sup> [AWG]	INSULATION DIAMETER	INSUL, Adj, l	FLIP Locator	STRIP LENGTH mm [in,]	CRIMP HEIGHT	CONTACT PART			USED ON
		mm [in.]				mm [in.]	LOOSE PIECE	STRIP FORM	CONTACT DESCRIP,	APPLIC, Specif,
2280350-1 -	1.5 DS-QFB RTK-031			YES	3,65±0,25 (,144 ± ,010)	$\begin{array}{c} 0.73 \pm 0.038 \\ (.029 \pm .001) \\ 0.84 \pm 0.038 \\ (.033 \pm .001) \end{array}$		2203260-4 2203270-4 2203260-8 2203270-8	CENTER CONTACT 180 Degree Fakra Automated	114-32145
2350391-1	0,08-0,14 [26] 0,20 [24] 0,30-0,40 [22]	1,30-1,60 [,051-,063]	ND	YES	3,0±0,3 [0,118±0,012]	0,69 ± 0,05 [,027±,0010] 0,75 ± 0,05 [,030±,002] 0,82 ± 0,05 [,032±,002]	1-2321921-1 1-2321928-1	2321921-1 2321928-1	SDL 2,5 WATERPROOF	114-143067
2377922-1	0,08-0,14 [28-26] 0,20 [24] 0,30-0,40 [22]	1,18–1,56 [,046–,061]	YES	YES	1,7+/-0,3 [,067+/-,012]	0,62 ± 0,05 [,0245±,002] 0,69 ± 0,05 [,027±,002] 0,76 ± 0,05 [,030±,002]		2350223-[]	SIGNAL GRACEE INERTIA (SGI)2.0	114-143160
2386880-1	0.20-0.32 [24-22] 0.51 [20]	1.11-1.53 [.044060]	YES	N	3,0+/-0,3 [,118+/-,012]	0,81 ± 0,05 [,032 ±,002] 0,97 ± 0,05 [,038± ,002]	- 2352413-3 2352413-4 -	2352413-1	MMC-PB-S RECEPTACLE 1 Series	114-78042
368883-1	0,08-0,15 [28-26] 0,23 [24]	- 1.05-1.40 [.041055]	ND	YES	2,0+/-0,3 [,079+/-,012]	0,65 ± 0,05 [,026 ±,002] 0,73 ± 0,05 [,029±,002]		2354728-2	MMC-PB Brake receptacle	114-78045
2386890-1	0,50-0,75 [20-18] 1,25 [16]	1.53-2.50 [.060098]	YES	ND	4,1+/-0,3 [,161+/-,012]	1,25 ± 0,05 [,049 ±,002] 1,50 ± 0,05 [,059±,002]	- 2352424-3	2352424-1	MMC-PB-L RECEPTACLE 3 Series	114-78043
2401910-1	0,22 [24] 0,35 [22]	0,95-1,30 - [.037051]		YES	3,65+/-0,15 [,144+/-,006]	0,64 ± 0,02 [.025 ±.001] 0,72 ± 0,02 [.028± .001]		2834464-6	MINI DYNAMIC Receptacle terminal	114-137526
2402611-1	0,13 [26] 0,17 [25]	0,85-1,10 [,034-,043]		YES	3.65+/-0.15 [.144+/006]	0,59 ± 0,02 [,023 ±,001] 0,63 ± 0,02 [,025 ± ,001]		2834464-5	MINI DYNAMIC Receptacle terminal	114-137526

3308-8 (1/15)

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								DWN	21FEB2012	MATERIAL	HEAT TREAT
								M. YOUNGER		_	-
						DIMENSIONS:	TOLERANCES LINEESS	СНК	22FEB2012	_	-
							TOLERANCES UNLESS OTHERWISE SPECIFIED:	B.A.WOLFE			
						mm	 0 PLC	APVD	22FEB2012		TE Connectivity
							1 PLC ± -	B.A. WOLFE			
	-  5	SEE SHEET 1	_	—	—	$   \forall \Box$	$2 PLC \pm -$ 3 PLC $\pm -$	NAME			т
		SEE SHEET 1	_	_	_	ANGLES± –	4 PLC ± -	_	MISCELL	P II TOOL DATA SHEE ANEOUS CONTACTS	_
	LTR	REVISION RECORD	DATE	DWN		-	7	SCALE SIZE	DRAWING NO	SHE	
٣		REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE		-  A	158.	3011	9 <sup>or</sup> 10 F23
4		7					0			4	
4		3					2				

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