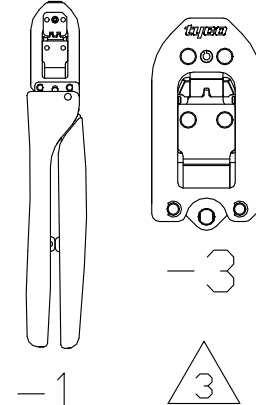
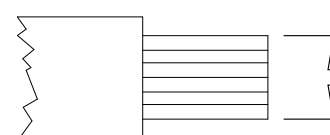
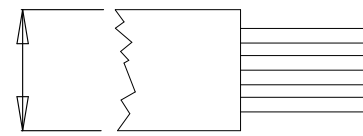
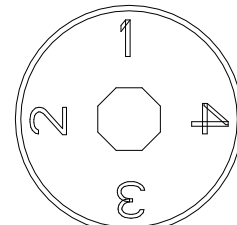
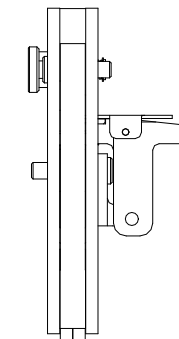
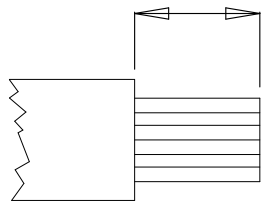
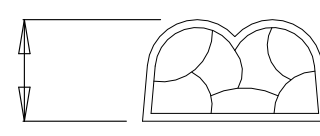
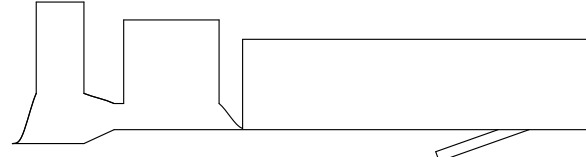
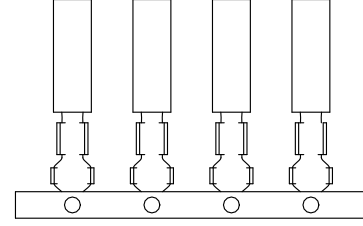


THIS DRAWING IS A CONTROLLED DOCUMENT. 1583011

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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 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	104505-2 104505-4 104505-6	TANDEM SPRING Contacts	114-25021
	0.12-0.35 ^{RECP} [26-22]						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	531216-1 104480-1 531216-3 104480-2 530553-3 104480-3 530553-5 104480-4 530553-7 1-104480-2 531224-6 1-104480-3		
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

-  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.

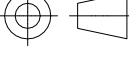
2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS.
-  -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY.
-3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

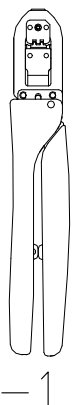
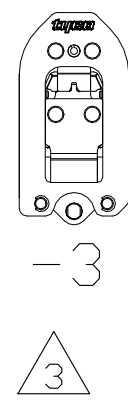
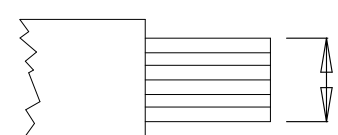
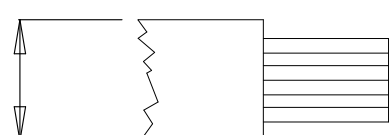
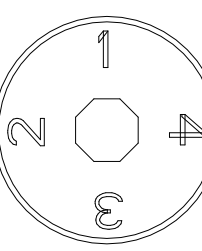
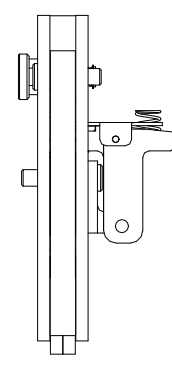
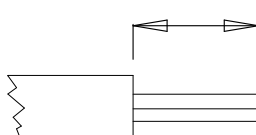
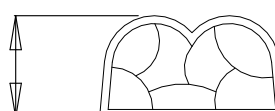
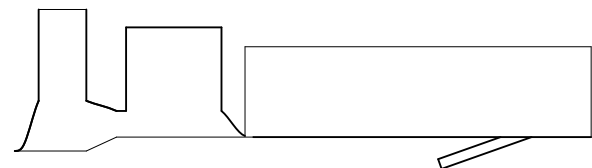
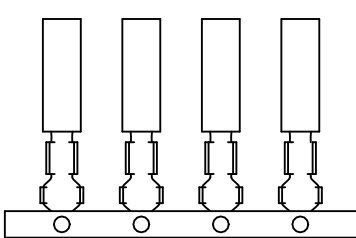
4. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.

CERTI-CRIMP II DATA SHEET

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

P	LTR	REVISION RECORD	DATE	DWN	APVD	SURFACE TEXTURE	✓
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				

TOOL NUMBER  -1  -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 				CONTACT DESCRIP.	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 - SOCKET 201751-[]		COLOR: GREEN BARREL BLUE SHOULDER		TYPE II SCREW MACHINE CONTACT	114-10026
	2x0.75 [2x18]	-					PIN SOCKET 202725-[] 202726-[]		COLOR: BLUE SHOULDER			
	0.75-1.42 [18-16]	-					PIN SOCKET 200681-[] 201589-[] 200336-[] 200333-[] 204274-[] 207896-[] 204219-[] 130743-1 207893-[]		COLOR: BLUE BARREL BLUE SHOULDER			
	2.00-2.27 [14]	-					PIN SOCKET 201645-[] 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-[] 203802-[] 164170-[] 203816-[]	164153-[] 203801-[] 164155-[] 203815-[]	166046-[] 166047-[]	TYPE XI CONTACT	114-10002	
	0.50-0.56 [20]					0.876 ± 0.051 [.0345 ± .002]	166296-[] 166297-[]					
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				1.067 ± 0.038 [.042 ± .0015]						

 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.

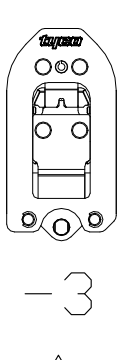
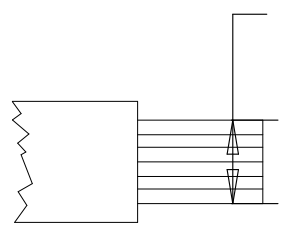
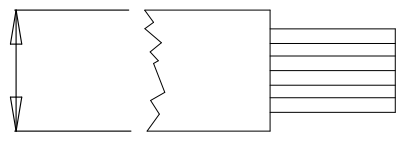
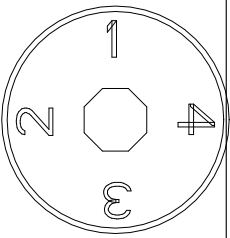
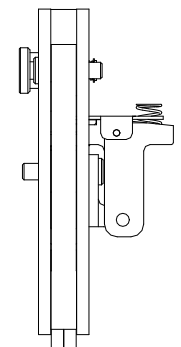
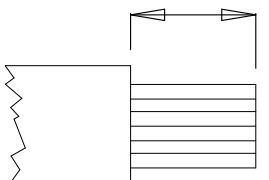
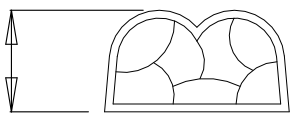
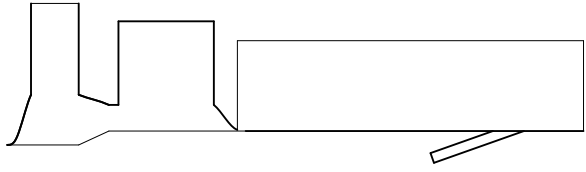
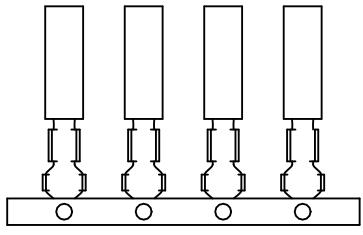
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CERTI-CRIMP II DATA SHEET

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWG: M. YOUNGER 21FEB2012		MATERIAL: -		HEAT TREAT: -	
0 PLC ± .		1 PLC ± .		CHK: B.A.WOLFE 22FEB2012				TE Connectivity	
2 PLC ± .		3 PLC ± .		APVD: B.A. WOLFE 22FEB2012					
4 PLC ± .		ANGLES: -		NAME: CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS		SCALE: -		SIZE: A1	
P LTR		REVISION RECORD		DATE		DWN: -		APVD: -	
SURFACE TEXTURE		√		DRAWING NO: 1583011		SHEET: 2 of 10		REV: F23	

TOOL NUMBER  -1  -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 		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 1901771-3	0.50-0.96 [20-18] 0.12-0.38 [26-22]	1.27-2.92 [.050-.115]	YES	NO	4.0 ± 0.4 [.156 ± .015]	0.97 ± 0.05 [.039 ± .002] 0.71 ± 0.05 [.028 ± .002]	350037 350036	350019 350018	MINIATURE RECTANGULAR CONTACT	114-1014
1901786-1 1901786-3	0.03-0.09 [32-28]	0.64-1.52 [.025-.060] 0.64-1.37 [.025-.054]	YES	NO	3.96-3.18 [.156-.125]	0.53 ± 0.05 [.021 ± .002]	530901-3 104506-[]	530901-2 104506-[]	MINI TANDEM SPRING RCPT AMPMODU MTE PIN	114-25021 114-25026
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	NO	3.96 [.156]	0.89 ± 0.05 [.035 ± .002] 1.02 ± 0.05 [.040 ± .002]	-	 867052-[]	LOCKING CLIP .025-IN. SQUARE CONTACT	114-25006 
1901829-1 1901829-3	INSULATION PIERCING SEE INSULATION DIAMETER	1.40 [.055] 1.02 [.040]	NO	NO	USE UNSTRIPPED WIRE	1.27 ± 0.05 [.050 ± .002] 1.17 ± 0.05 [.046 ± .002]	102348-2 102348-3	87107-5 87107-6	MOD IV CRIMP SNAP-IN RCPT	114-25003
1901957-1 1901957-3	0.05-0.15 [30-26] 0.12-0.35 [26-22]	1.0-1.9 [.039-.075] 0.9-1.5 [.035-.059]	YES	NO	2.5 ± 0.5 [.098 ± .020]	0.71-0.86 [.028-.034] 0.59-0.73 [.023-.029]	171612-[] 171611-[]	171610-[] 171609-[]	AMP-ULTREX 2.5mm/2.54mm PITCH RECEPTACLE CONTACT	114-5077
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	NO	6.35 ± 1.60 [.250 ± .062]	1.68 ± 0.08 [.066 ± .003] 1.40 ± 0.08 [.055 ± .003]	SOCKET PIN 350388-1 350389-1	SOCKET PIN 61626-1 61627-1	.140 MATE-N-LOK PIN AND SOCKET	114-1007
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	NO	4.37 ± 0.25 [.172 ± .010]	0.94 ± 0.05 [.037 ± .002] 0.978 ± 0.050 [.0385 ± .0020]	-	86497-2 86008-1	HI PRESSURE AMPMODU (INVERTED)	114-25010
2217748-1	0.80-0.50 [18-20] 1.40 [16]	1.7-2.7 [.067-.106]	YES	NO	5.10 ± 0.40 [.200 ± .016]	1.22 ± 0.05 [.048 ± .002] 1.40 ± 0.050 [.055 ± .0020]	770854-1	770520-1	AMPSEAL	114-16016

-  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.

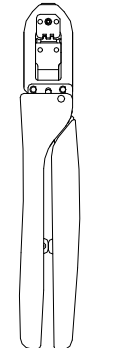
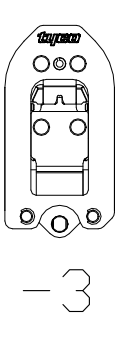
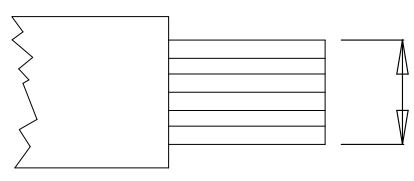
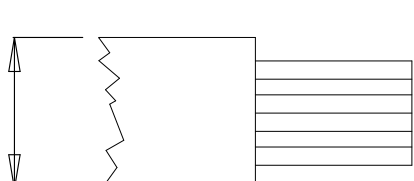
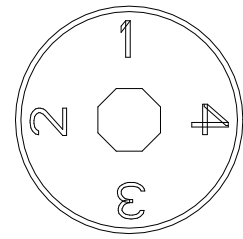
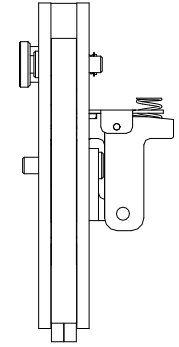
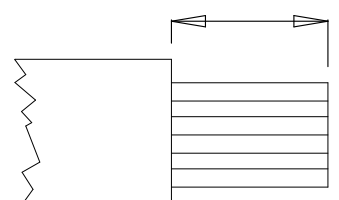
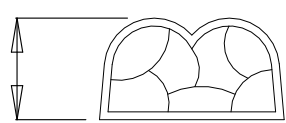
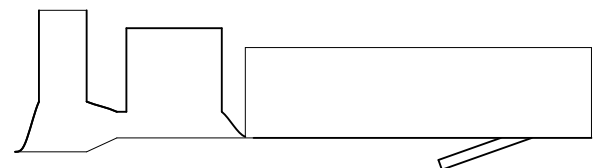
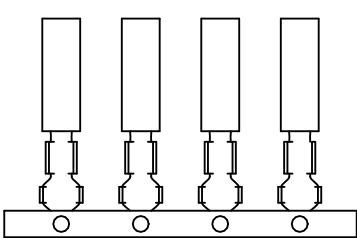
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-  REFER TO APPLICATION SPECIFICATION TO VERIFY COMPATIBILITY WITH TERMINAL HOUSING.

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THIS DRAWING IS A CONTROLLED DOCUMENT. 1583011

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TOOL NUMBER  -1  -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 		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	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
2063834-3	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	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 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]				

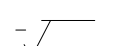
 LIST OF APPLIED CONTACT PART NUMBERS MAY NOT BE COMPLETE AND IS SUBJECT TO CHANGE. FOR CURRENT INFORMATION ON TERMINAL PART NUMBERS, CONTACT THE TOOLING ASSISTANCE CENTER : 1-800-722-1111.

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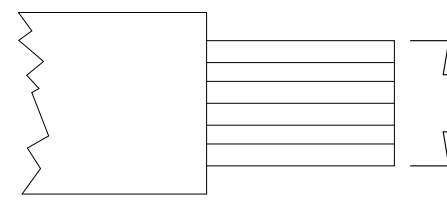
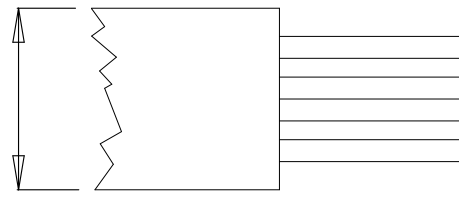
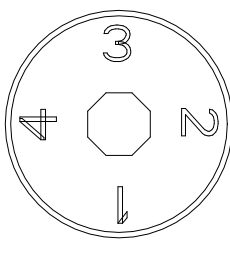
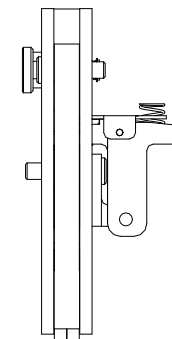
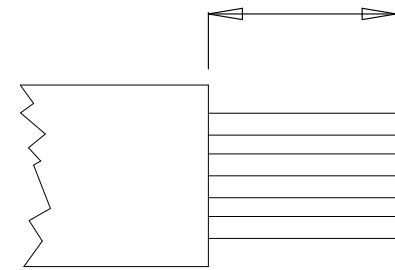
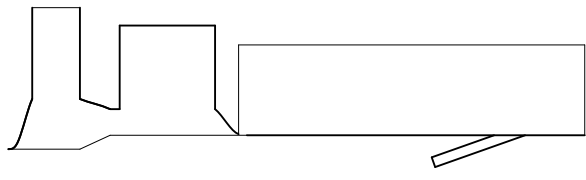
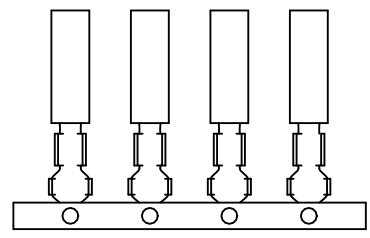
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CERTI-CRIMP II DATA SHEET

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN M. YOUNGER 21FEB2012	MATERIAL -	HEAT TREAT -
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± -		ANGLES# -		CHK B.A.WOLFE 22FEB2012	 TE Connectivity	
APVD B.A. WOLFE		SURFACE TEXTURE 		APVD B.A. WOLFE 22FEB2012		
NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS		SCALE -		SIZE A1	DRAWING NO 1583011	SHEET 5 of 10
P LTR		REVISION RECORD		DATE	DWN	APVD
-		SEE SHEET 1		-	-	-
-		SEE SHEET 1		-	-	-

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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 DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE 	STRIP FORM 		
2119536-1 2119536-3	0.03 [32] 0.50-0.06 [30] 0.08-0.09 [28]	0.4-0.7 [.016-.028] 0.5-0.8 [.020-.031]	YES	YES	1.0-1.2 [.04-.05]	0.405 ± 0.025 [.0159 ± .0010] 0.419 ± 0.025 [.0165 ± .0010] 0.460 ± 0.025 [.0181 ± .0010]	-	1734597-1	1.0 WIRE TO BOARD CONNECTOR	114-57020
2119537-1 2119537-3	0.03 [32] 0.05-0.06 [30] 0.08-0.09 [28]	0.9-1.2 [.035-.047]	YES	YES	0.9-1.3 [.04-.05]	0.485 ± 0.025 [.0190 ± .0010] 0.505 ± 0.025 [.0200 ± .0010] 0.535 ± 0.025 [.0210 ± .0010]	-	1734193-1	1.25 WIRE TO BOARD CONNECTOR	114-57016
2119538-1 2119538-3	0.05-0.06 [30] 0.08-0.12 [28-26] 0.20 [24]	.089-1.50 [.035-.059]	NO	YES	1.9-2.5 [.08-.10]	0.550 ± 0.025 [.022 ± .0010] 0.550 ± 0.025 [.022 ± .0010] 0.580 ± 0.025 [.023 ± .0010]	-	1775442-1	2.0 WIRE TO BOARD CONNECTOR	114-57011
2119539-1 2119539-3	0.05 [30] 0.08-0.14 [28-26] 0.22 [24]	.089-1.50 [.035-.059]	YES	YES	1.9-2.5 [.08-.10]	0.545 ± 0.025 [.0215 ± .0010] 0.584 ± 0.025 [.023 ± .0010] 0.645 ± 0.025 [.0255 ± .0010]	-	440132-1 1735801-1	2.0 WIRE TO BOARD CONNECTOR	114-57011
1752794-1	0.20-0.35 [24-22] 0.50-0.56 [20]	- -	NO	NO	3.1-3.6 [.12-.14]	0.94 ± 0.05 [.037 ± .002] 1.07 ± 0.05 [.042 ± .002]	-	42869-6	.040 PIN RECEPT	114-2083
1976156-1	.013 [26] 0.20-0.22 [24]	0.80-0.95 [.031-.037] .090-1.20 [.035-.047]	NO	YES	3.25-3.55 [.13-.14]	0.61 ± 0.025 [.024 ± .001] 0.66 ± 0.025 [.026 ± .001]	1-211449-1 1-211449-2 1-211449-6	1-1703930-1 1-1703930-2 1-1703930-6	NANO MQS	114-18858
1976157-1	0.35 [22] 0.35 [22]	1.0-1.2 [.039-.047] 1.2-1.3 [.047-.051]	NO	YES	3.25-3.55 [.13-.14]	0.82 ± 0.025 [.032 ± .001] 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

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CERTI-CRIMP II DATA SHEET

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 6 of 10 REV F23

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES# -

SURFACE TEXTURE 

SEE SHEET 1

SEE SHEET 1

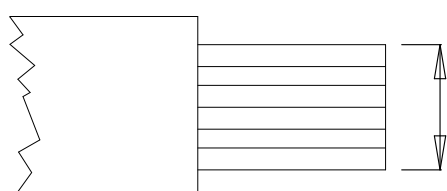
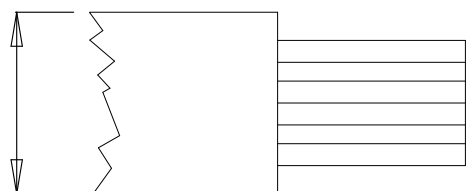
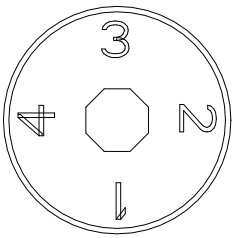
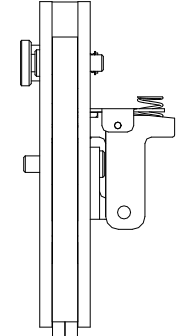
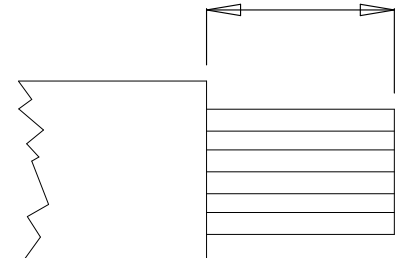
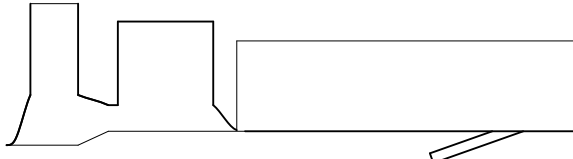
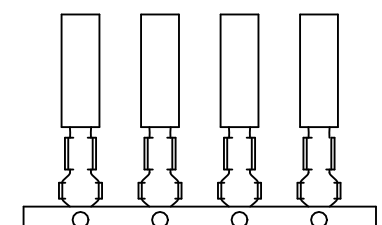
REVISION RECORD

DATE

DWN

APVD

3308-8 (1/15) 8 7 6 5 4 3 2 1

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 DESCRIP.	APPLIC. SPECIF.
							LOOSE PIECE 	STRIP FORM 		
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 [0.039 ±.002]	1744395-1	1744144-1	ECONOMY POWER II	114-13265
	0.50-0.60 [20]					1.10 ± 0.05 [0.043 ±.002]				
	0.81-0.89 [18]					1.15 ± 0.05 [0.043 ±.002]				
2217660-1	0.50-0.60 [20]	1.7-2.9 [.67-.114]	YES	NO	2.46-2.84 [0.097-.112]	1.12 ± 0.05 [0.044 ±.002]	1744396-1	1744201-1	ECONOMY POWER II	114-13265
	0.81-0.89 [18]					1.27 ± 0.05 [0.050 ±.002]				
	1.25-1.42 [16]					1.47 ± 0.05 [0.058 ±.002]				
2217742-1	0.50-0.90 [20-18]	1.85-2.29 [0.073-.090]	YES	NO	3.18-3.56 [0.125-.156]	1.092±0.051 [0.043±.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 [0.053±.002]				
2217754-1	0.30-1.00 [2X22-1X18]	2X22=3.05 MAX [120 MAX]	NO	NO	3.18-3.56 [0.125-.156]	1.1304±0.038 [0.0445±.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 [0.065-.080]				0.9779±0.0381 [0.0385±.0015]				
2217766-1	0.32-0.60 [22-20]	1.27-2.54 [0.50-100]	YES	NO	3.96 [0.156]	1.02 ± 0.05 [0.040±.002]	87278-[]	87269-[]	LOCKING CLIP CONTACT .031 X .062	114-25008
	0.80-0.90 [18]					1.22 ± 0.05 [0.048±.002]				
2280413-1	0.85-0.87 [18]	-	NO	YES	1.60 [0.063]	1.15 ± 0.05 [0.0153 ±.002]	-	RECPT-2271279-[] PIN-2271283-[] GROUND-2271285-[]	MICRO MOTOR CONN.	114-5377
	0.51-0.53 [20]			1 RECPT.		1.00 ± 0.05 [0.0394 ± .002]				
	0.34-0.37 [22]			2 PIN 3 GROUND		0.85± 0.05 [0.0335 ± .002]				
2217746-1	0.50-1.40 [2X20-2X18-16]	4.06 MAX [160 MAX]	NO	NO	3.56±0.38 [0.140±.015]	1.384 ± 0.051 [0.0545±.0020]	42840-3 66028-3 []-583989-[] 583991-3	42717-3 []-583361-[] 60151-[] 42840-1 1-42840-3 1-42840-4	AMP LEAF CONTACT	114-9003
	0.50-0.60 [20]	1.40-2.03 [0.055-.080]				1.054 ± 0.038 [0.0415±.0015]				
2217743-1	0.40-1.00 [21-8/2X22]	3.05 MAX [120 MAX]	NO	NO	3.56±0.38 [0.140±.015]	1.029 ± 0.038 [0.0405±.0015]	42840-3 583268-[]	42717-1 42702-1 583267-[] 583271-[]	AMP LEAF CONTACT	114-9003
	0.10-0.40 [26-22]	1.27-1.53 [0.050-.060]				0.775 ± .0038 [0.0305±.0015]				

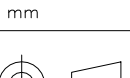
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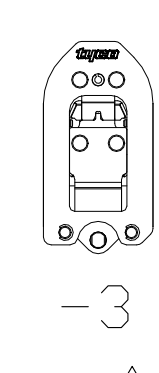
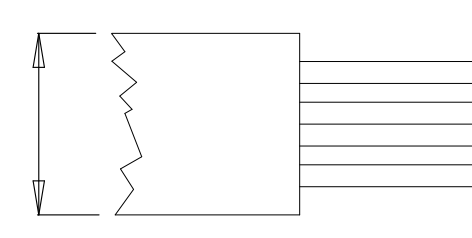
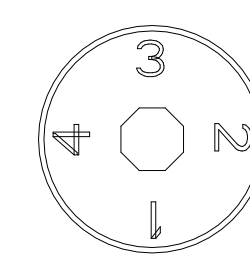
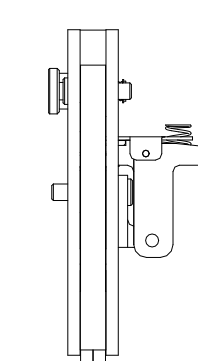
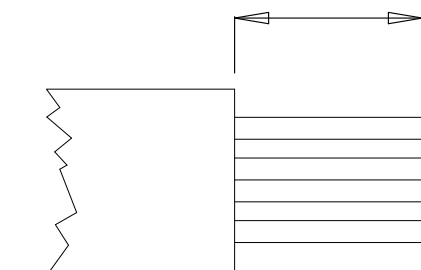
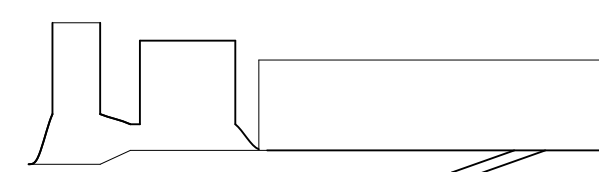
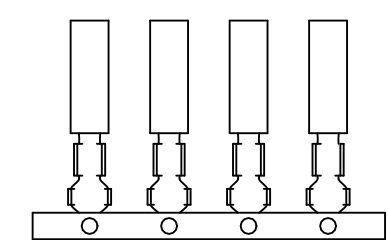
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CERTI-CRIMP II DATA SHEET

P	LTR	REVISION RECORD	DATE	DWN	APVD	DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± -	DWN M. YOUNGER 21FEB2012 CHK B.A.WOLFE 22FEB2012 APVD B.A. WOLFE 22FEB2012 NAME B.A. WOLFE	MATERIAL - HEAT TREAT -	 TE Connectivity	SCALE -	SIZE A1	DRAWING NO 1583011	SHEET 7 of 10	REV F23

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

	—	SEE SHEET 1	—	—	—
	—	SEE SHEET 1	—	—	—
P	UTR	REVISION RECORD	DATE	DWN	APVD

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 		
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					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+/-0.012]	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+/-0.012]	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+/-0.012]	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+/-0.012]	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+/-0.006]	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+/-0.006]	0.59 ± 0.02 [.023 ±.001]	-	2834464-5	MINI DYNAMIC RECEPTACLE TERMINAL	114-137526
	0.17 [25]					0.63 ± 0.02 [.025± .001]				

					mm		0 PLC ± -		1 PLC ± -		2 PLC ± -		3 PLC ± -		4 PLC ± -		0.4mm		0.5mm		0.6mm		0.8mm		1.0mm		1.2mm		1.5mm		2.0mm		2.5mm		3.0mm		4.0mm		5.0mm		6.0mm		8.0mm		10.0mm		12.0mm		15.0mm		20.0mm		25.0mm		30.0mm		40.0mm		50.0mm		60.0mm		80.0mm		100.0mm		120.0mm		150.0mm		200.0mm		250.0mm		300.0mm		400.0mm		500.0mm		600.0mm		800.0mm		1000.0mm		1200.0mm		1500.0mm		2000.0mm		2500.0mm		3000.0mm		4000.0mm		5000.0mm		6000.0mm		8000.0mm		10000.0mm		12000.0mm		15000.0mm		20000.0mm		25000.0mm		30000.0mm		40000.0mm		50000.0mm		60000.0mm		80000.0mm		100000.0mm		120000.0mm		150000.0mm		200000.0mm		250000.0mm		300000.0mm		400000.0mm		500000.0mm		600000.0mm		800000.0mm		1000000.0mm		1200000.0mm		1500000.0mm		2000000.0mm		2500000.0mm		3000000.0mm		4000000.0mm		5000000.0mm		6000000.0mm		8000000.0mm		10000000.0mm		12000000.0mm		15000000.0mm		20000000.0mm		25000000.0mm		30000000.0mm		40000000.0mm		50000000.0mm		60000000.0mm		80000000.0mm		100000000.0mm		120000000.0mm		150000000.0mm		200000000.0mm		250000000.0mm		300000000.0mm		400000000.0mm		500000000.0mm		600000000.0mm		800000000.0mm		1000000000.0mm		1200000000.0mm		1500000000.0mm		2000000000.0mm		2500000000.0mm		3000000000.0mm		4000000000.0mm		5000000000.0mm		6000000000.0mm		8000000000.0mm		10000000000.0mm		12000000000.0mm		15000000000.0mm		20000000000.0mm		25000000000.0mm		30000000000.0mm		40000000000.0mm		50000000000.0mm		60000000000.0mm		80000000000.0mm		100000000000.0mm		120000000000.0mm		150000000000.0mm		200000000000.0mm		250000000000.0mm		300000000000.0mm		400000000000.0mm		500000000000.0mm		600000000000.0mm		800000000000.0mm		1000000000000.0mm		1200000000000.0mm		1500000000000.0mm		2000000000000.0mm		2500000000000.0mm		3000000000000.0mm		4000000000000.0mm		5000000000000.0mm		6000000000000.0mm		8000000000000.0mm		10000000000000.0mm		12000000000000.0mm		15000000000000.0mm		20000000000000.0mm		25000000000000.0mm		30000000000000.0mm		40000000000000.0mm		50000000000000.0mm		60000000000000.0mm		80000000000000.0mm		100000000000000.0mm		120000000000000.0mm		150000000000000.0mm		200000000000000.0mm		250000000000000.0mm		300000000000000.0mm		400000000000000.0mm		500000000000000.0mm		600000000000000.0mm		800000000000000.0mm		1000000000000000.0mm		1200000000000000.0mm		1500000000000000.0mm		2000000000000000.0mm		2500000000000000.0mm		3000000000000000.0mm		4000000000000000.0mm		5000000000000000.0mm		6000000000000000.0mm		8000000000000000.0mm		10000000000000000.0mm		12000000000000000.0mm		15000000000000000.0mm		20000000000000000.0mm		25000000000000000.0mm		30000000000000000.0mm		40000000000000000.0mm		50000000000000000.0mm		60000000000000000.0mm		80000000000000000.0mm		100000000000000000.0mm		120000000000000000.0mm		150000000000000000.0mm		200000000000000000.0mm		250000000000000000.0mm		300000000000000000.0mm		400000000000000000.0mm		500000000000000000.0mm		600000000000000000.0mm		800000000000000000.0mm		1000000000000000000.0mm		1200000000000000000.0mm		1500000000000000000.0mm		2000000000000000000.0mm		2500000000000000000.0mm		3000000000000000000.0mm		4000000000000000000.0mm		5000000000000000000.0mm		6000000000000000000.0mm		8000000000000000000.0mm		10000000000000000000.0mm		12000000000000000000.0mm		15000000000000000000.0mm		20000000000000000000.0mm		25000000000000000000.0mm		30000000000000000000.0mm		40000000000000000000.0mm		50000000000000000000.0mm		60000000000000000000.0mm		80000000000000000000.0mm		100000000000000000000.0mm		120000000000000000000.0mm		150000000000000000000.0mm		200000000000000000000.0mm		250000000000000000000.0mm		300000000000000000000.0mm		400000000000000000000.0mm		500000000000000000000.0mm		600000000000000000000.0mm		800000000000000000000.0mm		1000000000000000000000.0mm		1200000000000000000000.0mm		1500000000000000000000.0mm		2000000000000000000000.0mm		2500000000000000000000.0mm		3000000000000000000000.0mm		4000000000000000000000.0mm		5000000000000000000000.0mm		6000000000000000000000.0mm		8000000000000000000000.0mm		10000000000000000000000.0mm		12000000000000000000000.0mm		15000000000000000000000.0mm		20000000000000000000000.0mm		25000000000000000000000.0mm		30000000000000000000000.0mm		40000000000000000000000.0mm		50000000000000000000000.0mm		60000000000000000000000.0mm		80000000000000000000000.0mm		100000000000000000000000.0mm		120000000000000000000000.0mm		150000000000000000000000.0mm		200000000000000000000000.0mm		250000000000000000000000.0mm		300000000000000000000000.0mm		400000000000000000000000.0mm		500000000000000000000000.0mm		600000000000000000000000.0mm		800000000000000000000000.0mm		1000000000000000000000000.0mm		1200000000000000000000000.0mm		1500000000000000000000000.0mm		2000000000000000000000000.0mm		2500000000000000000000000.0mm		3000000000000000000000000.0mm		4000000000000000000000000.0mm		5000000000000000000000000.0mm		6000000000000000000000000.0mm		8000000000000000000000000.0mm		10000000000000000000000000.0mm		12000000000000000000000000.0mm		15000000000000000000000000.0mm		20000000000000000000000000.0mm		25000000000000000000000000.0mm		30000000000000000000000000.0mm		40000000000000000000000000.0mm		50000000000000000000000000.0mm		60000000000000000000000000.0mm		80000000000000000000000000.0mm		100000000000000000000000000.0mm		120000000000000000000000000.0mm		150000000000000000000000000.0mm		200000000000000000000000000.0mm		250000000000000000000000000.0mm		300000000000000000000000000.0mm		400000000000000000000000000.0mm		500000000000000000000000000.0mm		600000000000000000000000000.0mm		800000000000000000000000000.0mm		1000000000000000000000000000.0mm		1200000000000000000000000000.0mm		1500000000000000000000000000.0mm		2000000000000000000000000000.0mm		2500000000000000000000000000.0mm		3000000000000000000000000000.0mm		4000000000000000000000000000.0mm		5000000000000000000000000000.0mm		6000000000000000000000000000.0mm		8000000000000000000000000000.0mm		10000000000000000000000000000.0mm		12000000000000000000000000000.0mm		15000000000000000000000000000.0mm		20000000000000000000000000000.0mm		25000000000000000000000000000.0mm		30000000000000000000000000000.0mm		40000000000000000000000000000.0mm		50000000000000000000000000000.0mm		60000000000000000000000000000.0mm		80000000000000000000000000000.0mm		100000000000000000000000000000.0mm		120000000000000000000000000000.0mm		150000000000000000000000000000.0mm		200000000000000000000000000000.0mm		250000000000000000000000000000.0mm		300000000000000000000000000000.0mm		400000000000000000000000000000.0mm		500000000000000000000000000000.0mm		600000000000000000000000000000.0mm		800000000000000000000000000000.0mm		1000000000000000000000000000000.0mm		1200000000000000000000000000000.0mm		1500000000000000000000000000000.0mm		2000000000000000000000000000000.0mm		2500000000000000000000000000000.0mm		3000000000000000000000000000000.0mm		4000000000000000000000000000000.0mm		5000000000000000000000000000000.0mm		6000000000000000000000000000000.0mm		8000000000000000000000000000000.0mm		10000000000000000000000000000000.0mm		12000000000000000000000000000000.0mm		15000000000000000000000000000000.0mm		20000000000000000000000000000000.0mm		25000000000000000000000000000000.0mm		30000000000000000000000000000000.0mm		40000000000000000000000000000000.0mm		50000000000000000000000000000000.0mm		60000000000000000000000000000000.0mm		80000000000000000000000000000000.0mm		100000000000000000000000000000000.0mm		120000000000000000000000000000000.0mm		150000000000000000000000000000000.0mm		200000000000000000000000000000000.0mm		250000000000000000000000000000000.0mm		300000000000000000000000000000000.0mm		400000000000000000000000000000000.0mm		500000000000000000000000000000000.0mm		600000000000000000000000000000000.0mm		800000000000000000000000000000000.0mm		1000000000000000000000000000000000.0mm		1200000000000000000000000000000000.0mm		1500000000000000000000000000000000.0mm		2000000000000000000000000000000000.0mm		2500000000000000000000000000000000.0mm		3000000000000000000000000000000000.0mm		4000000000000000000000000000000000.0mm		5000000000000000000000000000000000.0mm		6000000000000000000000000000000000.0mm		8000000000000000000000000000000000.0mm		10000000000000000000000000000000000.0mm		12000000000000000000000000000000000.0mm		15000000000000000000000000000000000.0mm		20000000000000000000000000000000000.0mm		25000000000000000000000000000000000.0mm		30000000000000000000000000000000000.0mm		40000000000000000000000000000000000.0mm		50000000000000000000000000000000000.0mm		60000000000000000000000000000000000.0mm		80000000000000000000000000000000000.0mm		100000000000000000000000000000000000.0mm		120000000000000000000000000000000000.0mm		150000000000000000000000000000000000.0mm		200000000000000000000000000000000000.0mm		250000000000000000000000000000000000.0mm		300000000000000000000000000000000000.0mm		400000000000000000000000000000000000.0mm		500000000000000000000000000000000000.0mm		600000000000000000000000000000000000.0mm		800000000000000000000000000000000000.0mm		1000000000000000000000000000000000000.0mm		1200000000000000000000000000000000000.0mm		1500000000000000000000000000000000000.0mm		2000000000000000000000000000000000000.0mm		2500000000000000000000000000000000000.0mm		3000000000000000000000000000000000000.0mm		4000000000000000000000000000000000000.0mm		5000000000000000000000000000000000000.0mm		6000000000000000000000000000000000000.0mm		8000000000000000000000000000000000000.0mm		10000000000000000000000000000000000000.0mm		12000000000000000000000000000000000000.0mm		15000000000000000000000000000000000000.0mm		20000000000000000000000000000000000000.0mm		25000000000000000000000000000000000000.0mm		30000000000000000000000000000000000000.0mm		40000000000000000000000000000000000000.0mm		50000000000000000000000000000000000000.0mm		60000000000000000000000000000000000000.0mm		80000000000000000000000000000000000000.0mm		100000000000000000000000000000000000000.0mm		120000000000000000000000000000000000000.0mm		150000000000000000000000000000000000000.0mm		200000000000000000000000000000000000000.0mm		250000000000000000000000000000000000000.0mm		300000000000000000000000000000000000000.0mm		400000000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