
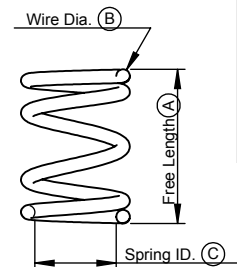


1. PRIMARY DIMENSIONS IS INCH; SECONDARY DIMENSIONS is MILLIMETER.
2. P.C. BOARD HOLE DIAMETER RANGE: .1142±0.003 
3. PIN AND BODY SHOWN IN ASSEMBLED CONDITION.
4. HEAT SINK HOLE DIAMETER: .135" +.003/-0.000
5. PIN AND BODY: NYLON-66, V-2, COLOR: BLACK
6. MATERIAL MUST COMPLY WITH THE RoHS DIRECTIVE OF THE EU.



F		G	H	
REV	DESCRIPTION		DATE	DRAWN
0A	RELEASE FOR COFIRMATION		Jan-16-2013	Chris Hsu
0B	REVISED TOLERANCE, WAS $\pm 0.003$ "		Jan-18-2013	Chris Hsu
0C	PER CUSTOMER PROPOSAL, MODIFY FEATURE FOR CONFIRMATION. $\varnothing 0.114 \pm 0.004$ WAS $\pm 0.012$ , 0.087 WAS 0.065, 0.587 WAS 0.566. PCB HOLE DIAMETER RANGE WAS 0.114(2.90) TO 0.125(3.20).		Apr-15-2013	Chris Hsu
0D	PER CUSTOMER REQUIREMENT, MODIFY FEATURE FOR CONFIRMATION. $\varnothing 0.107 \pm 0.004$ WAS $\varnothing 0.114$ .		Apr-17-2013	Chris Hsu
0E	PER CUSTOMER REQUIREMENT, REVISE THE PCB HOLE DIAMETER RANGE. $\varnothing 0.1142 \pm 0.003$ WAS 0.119(3.02) TO 0.125(3.20)..		Apr-19-2013	Chris Hsu

SPRING SPEC								Remark
SPRING P/N	SPRING CODE	A±0.008 inch [mm]	ØB±0.002 inch [mm]	ØC ± <sup>0.008</sup> <sub>0</sub> inch [mm]	Total Coils	Force Rate ± 10% lb/f/in [g/f/mm]	Material	
52FT96-00-4010	96	0.306 [7.76]	0.020 [0.50]	0.141 [3.60]	4.50	12.49 [223]	SUS304	Clamping force 1.94 ± 10% lb @ 3.95mm compression
52FT97-00-4010	97	0.297 [7.56]	0.026 [0.65]	0.143 [3.62]	4.25	35.11 [627]	SUS304	Clamping force 3.95 ± 10% lb @ 2.86mm compression
52FT98-00-4010	98	0.306 [7.76]	0.026 [0.65]	0.148 [3.65]	4.00	38.63 [690]	SUS304	Clamping force 4.03 ± 10% lb @ 2.65mm compression
52FT100-00-4010	100	0.510 [12.96]	0.018 [0.45]	0.146 [3.70]	6.75	4.16 [74.2]	SUS304	Clamping force 1.07 ± 10% lb @ 6.56mm compression
52FT101-00-4010	101	0.490 [12.46]	0.022 [0.55]	0.148 [3.75]	5.50	11.3 [202]	SUS304	Clamping force 2.56 ± 10% lb @ 5.81mm compression

3		1		52FTXX-00-4010	SPRING
2		1		39FT91-00-2099	PIN
1		1		39FT90-00-2099	BODY
-			1	83FT14-xx-9909	83FT14-XX FASTENER ASSEMBLY
NO.	-003	-002	-001	PART NUMBER	DESCRIPTION
	QTY PER ASSY				

MATERIAL :	SEE NOTE
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UNLESS OTHERWISE SPECIFIED  
INTERPRET DIMENSIONS AND  
TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994  
DIMENSIONS ARE IN INCH TOLERANCES:

PROJ. NO.:	
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FT1301

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**TW** 安天德百電股份有限公司  
Electronic Business Asia Co., Ltd.

PART NAME:

## 83FT14-xx SERIES FASTENER

PART NUMBER:

83FT14-XX-9909

REV  
OE

**SHEET**  
**1 / 1**

"  " MARK DIMENSION NEED TO BE MEASURED FOR FQC INSPECTION.  
 "  " MARK FOR CPK WHEN SUBMIT FAI.  
 " ( ) " MARK FOR REFERENCE DIMENSION.

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APP BY <b>Casey Chang</b>	DATE Jan-16-2013