



PIN	A	B	C
04	8.50	1.50	2.60
05	9.00	2.00	3.10
06	9.50	2.50	3.60
07	10.00	3.00	4.10
08	10.50	3.50	4.60
09	11.00	4.00	5.10
10	11.50	4.50	5.60
11	12.00	5.00	6.10
12	12.50	5.50	6.60
13	13.00	6.00	7.10
14	13.50	6.50	7.60
15	14.00	7.00	8.10
16	14.50	7.50	8.60
17	15.00	8.00	9.10
18	15.50	8.50	9.60
19	16.00	9.00	10.10
20	16.50	9.50	10.60
21	17.00	10.00	11.10
22	17.50	10.50	11.60
23	18.00	11.00	12.10
24	18.50	11.50	12.60
25	19.00	12.00	13.10
26	19.50	12.50	13.60
27	20.00	13.00	14.10
28	20.50	13.50	14.60
29	21.00	14.00	15.10
30	21.50	14.50	15.60

PIN	A	B	C
* 31	22.00	15.00	16.10
32	22.50	15.50	16.60
33	23.00	16.00	17.10
34	23.50	16.50	17.60
* 35	24.00	17.00	18.10
36	24.50	17.50	18.60
* 37	25.00	18.00	19.10
* 38	25.50	18.50	19.60
* 39	26.00	19.00	20.10
40	26.50	19.50	20.60
41	27.00	20.00	21.10
42	27.50	20.50	21.60
* 43	28.00	21.00	22.10
* 44	28.50	21.50	22.60
45	29.00	22.00	23.10
* 46	29.50	22.50	23.60
* 47	30.00	23.00	24.10
* 48	30.50	23.50	24.60
* 49	31.00	24.00	25.10
50	31.50	24.50	25.60
* 51	32.00	25.00	26.10
* 52	32.50	25.50	26.60
* 53	33.00	26.00	27.10
54	33.50	26.50	27.60
* 55	34.00	27.00	28.10
* 56	34.50	27.50	28.60
* 57	35.00	28.00	29.10
* 58	35.50	28.50	29.60
* 59	36.00	29.00	30.10
60	36.50	29.50	30.60

SPECIFICATIONS:  
 MATERIALS:-  
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0  
 COLOUR: BLACK  
 ACTUATOR: HIGH TEMPERATURE THERMOPLASTIC UL94V-0  
 COLOUR: WHITE  
 CONTACT: COPPER ALLOY, T=0.2mm  
 FITTING NAIL: COPPER ALLOY, T=0.2mm  
 FINISH:-  
 CONTACT: TIN PLATED  
 FITTING NAIL: TIN PLATED

NOTES: ALL DIMENSIONS AND NOTES MARKED \* ARE CRITICAL AND MUST BE CHECKED IN ACCORDANCE WITH QUALITY DOC. Q1-02A

2  
 \*PLEASE CONTACT TECHNICAL SALES FOR WAYS WITH \* FOR AVAILABILITY 3

ORDER CODE  
 F05E- XX 2146R  
 NO. OF WAYS

NAME	ISS.	DATE	C/NOTE
Allan	7	02.09.08	A232
Allan	6	15.09.08	A161
Allan	5	18.12.07	A099
Allan	4	26.07.07	A063
Allan	3	18.07.07	A062
Allan	2	06.07.07	A058
Allan	1	01.08.06	-

APPROVED: *Ben*  
 CHECKED:  
 DRAWN: Allan  
 CUSTOMER REF.:  
 ASSEMBLY DRG:

**HARWIN**

HARWIN USA  
 TEL: 603 893 5376  
 FAX: 603 893 5396  
 mis@harwin.com

HARWIN Europe (UK)  
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 FAX: +65 6 779 3868  
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TOLERANCES  
 X = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

MATERIAL: SEE ABOVE  
 FINISH: SEE ABOVE  
 S/AREA: mm<sup>2</sup>

TITLE:  
 0.5 ZIP FPC SMT R/A TYPE  
 BOTTOM CONTACT

DRAWING NUMBER:  
 F05E- XX 2146R

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