| <u>\</u> | 1         | 2                            | 3            | 4   | 5   |   | 6  |  |   | 8                                  |  |
|----------|-----------|------------------------------|--------------|---|---|---|--|--|---|------------------------------------|--|
| B        |           |                              |              | 大<br>新  | <sup>★</sup>  | REV   | Voltage Ra<br>Contact Re<br>Insulation f<br>Withstandin<br>Temperatur<br>Material and<br>Housing: PE<br>Contact Pi<br>Plating: Gol | T/PAGT( UL 94V<br>n:Brass<br>d Plated/Selectiv   | s)/DC<br>Max<br>MΩ MIN<br>AC r.m.s<br>ing: -40℃<br>'-0) | C∼+105℃                            | area,                                      |
| c        | ŢŢŢŢ,     | ┙┨╹┨╹┨╹                      |              | .118(3.0)   |   |   | tin  | on tail Í  |   |                                    |  |
| E        | .100(2.54 | A±.010(0.25)<br>B±.015(0.38) | 08(0.6*0.20) | + 7 Plating   | ale Header <sup>2</sup> 254–1<br><sub>8</sub> Thickne | 2 <u>10</u> —<br>3<br>Number<br>Pitch2.54mm<br>ss of Plating  | ng Informat<br><u>S XX S X</u><br>4 5 6 7<br>3 Distinction No.<br>10<br>9 Material-Res   | $\frac{XX}{8}  \frac{X}{9}  \frac{K6}{10}  \frac{K}{11}$ $4 \frac{ \text{Row Option}}{ \text{S-Single row}}  5$ in 10  Color-Resin                                   |   | 6 Entry Ang<br>S-180° Va<br>saging | <u>gle</u><br>ertical                      |
| F        | Recomm    | nended P.C.Board             |              | 3-Selecti<br>in contactin on tactin on tactin on tactin<br>THIRD ANGLE<br>PROJECTION<br>DESIGN UNITS<br>Inch (metric)<br>SCALE SIZE | ve gold 05-5µ"<br>et area, Custom                     | APPROVE BY<br>FRANK 12<br>CHECKED BY<br>CHERRY 12<br>DRAWN BY | DATE PART NO.<br>2/AUG/13 FFH25410<br>DATE TITLE<br>2/AUG/13 Board to<br>Pitch 2.3<br>DATE THIS DRAWG 0                            | K6-Black<br>ITEM N<br>-SXXSXXXXK6K FFH2<br>Board (Female Heade<br>54mm 180° Vertical (DII<br>ONTAINS INFORMATION THAT IS I<br>ODUCTS CO., LTD. AND SHOLD N<br>T<br>7 | 25410<br>r)<br>p) REV<br>PROPRIETARY TO                 | O SHEET                            | <mark>G</mark><br>NO. 1/2<br>UN(3K-KAMING) |

| 4    |      | 5     |    |     | 6         | 7           |
|------|------|-------|----|-----|-----------|-------------|
|      | u di | 了生儿。  |    | REV | LOCATIONS | DESCRIPTION |
|      | 初的地电 | 丁利品首众 |    |     |           |             |
| 4    |      |       | -/ |     |           |             |
| 4    |      |       |    |     |           |             |
| le V |      |       |    |     |           |             |
|      | I    | 程部    |    |     |           |             |

|      |  | 8       |      |
|------|--|---------|------|
| DATE |  | REVISER | APPD |
|      |  |         |      |

В

С

D

Ε

Α

| Circuits | Part No.             | Dimensions(in/mm) |              | Circuits | Part No.             | Dimension    | s(in/mm)      |
|----------|----------------------|-------------------|--------------|----------|----------------------|--------------|---------------|
| (n)      | Turc No.             | А                 | В            | (n)      |                      | А            | В             |
| 2        | FFH25410-S02SXXXXK6K | .100(2.54)        | .220(5.58)   | 22       | FFH25410-S22SXXXXK6K | 2.100(53.34) | 2.220(56.38)  |
| 3        | FFH25410-S03SXXXXK6K | .200(5.08)        | .320(8.12)   | 23       | FFH25410-S23SXXXXK6K | 2.200(55.88) | 2.320(58.92)  |
| 4        | FFH25410-S04SXXXXK6K | .300(7.62)        | .420(10.66)  | 24       | FFH25410-S24SXXXXK6K | 2.300(58.42) | 2.420(61.46)  |
| 5        | FFH25410-S05SXXXXK6K | .400(10.16)       | .520(13.20)  | 25       | FFH25410-S25SXXXXK6K | 2.400(60.96) | 2.520(64.00)  |
| 6        | FFH25410-S06SXXXXK6K | .500(12.70)       | .620(15.74)  | 26       | FFH25410-S26SXXXXK6K | 2.500(63.50) | 2.620(66.54)  |
| 7        | FFH25410-S07SXXXXK6K | .600(15.24)       | .720(18.28)  | 27       | FFH25410-S27SXXXXK6K | 2.600(66.04) | 2.720(69.08)  |
| 8        | FFH25410-S08SXXXXK6K | .700(17.78)       | .820(20.82)  | 28       | FFH25410-S28SXXXXK6K | 2.700(68.58) | 2.820(71.62)  |
| 9        | FFH25410-S09SXXXXK6K | .800(20.32)       | .920(23.36)  | 29       | FFH25410-S29SXXXXK6K | 2.800(71.12) | 2.920(74.16)  |
| 10       | FFH25410-S10SXXXXK6K | .900(22.86)       | 1.020(25.90) | 30       | FFH25410-S30SXXXXK6K | 2.900(73.66) | 3.020(76.70)  |
| 11       | FFH25410-S11SXXXXK6K | 1.000(25.40)      | 1.120(28.44) | 31       | FFH25410-S31SXXXXK6K | 3.000(76.20) | 3.120(79.24)  |
| 12       | FFH25410-S12SXXXXK6K | 1.100(27.94)      | 1.220(30.98) | 32       | FFH25410-S32SXXXXK6K | 3.100(78.74) | 3.220(81.78)  |
| 13       | FFH25410-S13SXXXXK6K | 1.200(30.48)      | 1.320(33.52) | 33       | FFH25410-S33SXXXXK6K | 3.200(81.28) | 3.320(84.32)  |
| 14       | FFH25410-S14SXXXXK6K | 1.300(33.02)      | 1.420(36.06) | 34       | FFH25410-S34SXXXXK6K | 3.300(83.82) | 3.420(86.86)  |
| 15       | FFH25410-S15SXXXXK6K | 1.400(35.56)      | 1.520(38.60) | 35       | FFH25410-S35SXXXXK6K | 3.400(86.36) | 3.520(89.40)  |
| 16       | FFH25410-S16SXXXXK6K | 1.500(38.10)      | 1.620(41.14) | 36       | FFH25410-S36SXXXXK6K | 3.500(88.90) | 3.620(91.94)  |
| 17       | FFH25410-S17SXXXXK6K | 1.600(40.64)      | 1.720(43.68) | 37       | FFH25410-S37SXXXXK6K | 3.600(91.44) | 3.720(94.48)  |
| 18       | FFH25410-S18SXXXXK6K | 1.700(43.18)      | 1.820(46.22) | 38       | FFH25410-S38SXXXXK6K | 3.700(93.98) | 3.820(97.02)  |
| 19       | FFH25410-S19SXXXXK6K | 1.800(45.72)      | 1.920(48.76) | 39       | FFH25410-S39SXXXXK6K | 3.800(96.52) | 3.920(99.56)  |
| 20       | FFH25410-S20SXXXXK6K | 1.900(48.26)      | 2.020(51.30) | 40       | FFH25410-S40SXXXXK6K | 3.900(99.06) | 4.020(102.10) |
| 21       | FFH25410-S21SXXXXK6K | 2.000(50.80)      | 2.120(53.84) |          |                      |              |               |



3

2

3

1

Α

В

С

D

Е

F

1

|                                | GENERAL TOLE     | GENERAL TOLERANCES    |            | RAL TOLERANCES  |                     | RAL TOLERANCES A           |                | RAL TOLERANCES  |                         | RAL TOLERANCES AF |  | RAL TOLERANCES |  | TOLERANCES APPROVE BY |  | DATE | PART NO. | PART NO. ITEM |  |  | t∕ ® |  |
|--------------------------------|------------------|-----------------------|------------|-----------------|---------------------|----------------------------|----------------|-----------------|-------------------------|-------------------|--|----------------|--|-----------------------|--|------|----------|---------------|--|--|------|--|
| THIRD ANGLE (UNLESS SPECIFIED) |                  | LESS SPECIFIED) FRANK |            | FRANK 12/AUG/13 |                     | FFH25410-SXXSXXXXK6K FFH25 |                | (()             | ン)) <sup>~</sup>        |                   |  |                |  |                       |  |      |          |               |  |  |      |  |
| PROJECTION                     | X.±.012(0.30)    | X.*±5*                | CHECKED BY | DATE            |                     |                            | 111120110      | 3K-1            | KAMI NG                 | F                 |  |                |  |                       |  |      |          |               |  |  |      |  |
| DESIGN UNITS                   | X.X±.008(0.20)   | .X°±2°                | CHERRY     | 12/AUG/13       | TITLE<br>Board to E | Board (Female I            | leader)        |                 |                         | ł                 |  |                |  |                       |  |      |          |               |  |  |      |  |
| Inch (metric)                  |                  |                       | DRAWN BY   | DATE            | Pitch 2.54          | mm 180° Vertic             | al (DIP)       | REV 0           | SHEET NO. 2/2           |                   |  |                |  |                       |  |      |          |               |  |  |      |  |
| SCALE SIZE                     | X.XX±.006(0.15)  | .XX°±1°               |            |                 |                     |                            |                |                 | UAN LANG LUN(3K-KAMING) |                   |  |                |  |                       |  |      |          |               |  |  |      |  |
| 5:1 A4                         | X.XXX±.004(0.10) | .XXX*±0.5*            | JACOB      | 12/AUG/13       | ELECTRONIC PRODU    | JCTS CO., LTD. AND S       | HOULD NOT BE U | SED WI THOUT WA | RITTEN PERMISSION       |                   |  |                |  |                       |  |      |          |               |  |  |      |  |
| 4                              |                  | 5                     |            | 6               |                     | 7                          |                |                 | 8                       | $\overline{}$     |  |                |  |                       |  |      |          |               |  |  |      |  |

|   | 1      | 2                            | 3                     | 4  | 5                                       |              | 6  | 7  |                    | 8                                      |            |
|---|--------|------------------------------|-----------------------|--|---|--------------|--|--|--------------------|--|------------|
| Γ |        |                              |                       |  |   | REV          | LOCATIONS                                | DESCRIPTION  | DATE               | REVISER                                | APPD       |
| A |        |                              |                       |  |   |              | Electrical                               |  |                    |  | A          |
|   |        |                              |                       |  | 於即轮电子制品有                                |              | Current Ratin                            | ng:3A AC(rms)/<br>ng:250V AC(rms<br>istance:20 mΩ                            | DC<br>)/DC         |  |            |
|   |        |                              |                       |  |   | 。<br>ビビ<br>一 | Insulation Re<br>Withstandina            | sistance:1000 M<br>Voltaae:500V A  | 1Ω MIN<br>AC r.m.s |  |            |
|   |        |                              |                       |  | 工程部                                     |              | Temperature<br>Material and P            | Range-Operatir<br>lating   | ng: – 40°C         | °∼+105°C                               |            |
| В |        |                              |                       |  |   |              | Contact Pin:<br>Plating: Gold            | Plated/Selective   |                    | contact                                | B<br>area, |
|   |        |                              |                       |  |   |              | tin or                                   | n tail   | -                  |  |            |
|   |        |                              |                       |  |   |              |  |  |                    |  |            |
| с |        |                              | (10.00)               | 8(3.0)                                   |   |              |  |  |                    |  | С          |
|   | ╹Ħ╹Ħ╹Ħ | ╹Ħ╹Ħ╹Ħ╹Ħ╹                    | ╹Ħ╹Ħ╹Ħ╹Ħ╹             |  |   |              |  |  |                    |  |            |
|   |        | 4)                           | 008(0.6*0.20)         |  |   |              |  |  |                    |  |            |
|   |        | A±.010(0.25)<br>B±.015(0.38) |                       | .100(2.54)                               |   |              |  |  |                    |  |            |
| D |        |                              | 新期轮电子制度               | 品有难                                      |   | Orde         | ering Inform                             | ation  |                    |  | D          |
|   |        |                              |                       | マイ<br>、川                                 | <u>FF</u> H <u>254</u><br>1 2           |              | $- \frac{D}{4} \frac{XX}{5} \frac{S}{6}$ | <u>X XX X K6</u><br>7 8 9 10   | <u>6 K</u><br>11   |  |            |
|   |        |                              | ⊋ 受控文                 | 件<br>1 Category<br>FFH-Female            | 2 Series Numb<br>8 Header 2 254-Pitch2. | ber3         | Distinction No. 4                        |  | Circuits           | 6 Entry A                              | Vertical   |
| E |        | .100(2.54)                   | 100(2.54 <sup>;</sup> | 7 Plating<br>1-Gold Pla                  | 8 Thickness o                           | f Plating    | Material-Resi                            | n <sub>10</sub> Color-Resin  |                    | ı<br>ckaging                           | E          |
|   | 0      |                              |                       | 3-Selective<br>in contact<br>tin on tail | e gold 05-5µ"                           |              | I-PBT<br>4-PA6T                          | K6-Black   | K-                 | Tray                                   |            |
|   |        | mended P.C.Board             | -                     | · · · · · · · · · · · · · · · · · · ·    | NERAL TOLERANCES APPRO                  | OVE BY       | DATE PART NO.                            | ITEM N   | 0.                 |  | R          |
| F |        |                              |                       | THIRD ANGLE                              | UNLESS SPECIFIED) FR                    | ANK 12       | 1  | DXXSXXXXK6K FFH2   |                    | (Ú)<br>3K-KAMI                         |            |
|   |        |                              |                       | DESIGN UNITS<br>Inch (metric)            |   |              | AUG/13 Board to<br>Pitch 2.54            | Board (Female Header<br>mm 180° Vertical (DIF<br>TAINS INFORMATION THAT IS P | )<br>P) REV        | 0 SHEE                                 | T NO. 1/2  |
|   | 1      | 2                            | 3                     |  |   |              | AUG/13 ELECTRONIC PROD<br>6              | UCTS CO. , LTD. AND SHOULD NO<br>7   | T BE USED WIT      | hour guan lang<br>hout written pe<br>8 | RMISSION   |
| / |        |                              |                       |  |   |              |  |  |                    |  | $\sim$     |

|         | 2                     | 3            | 4            |          | 5           | ,         | 6          | 7                      |          | 8       |   |
|---------|-----------------------|--------------|--------------|----------|-------------|-----------|------------|------------------------|----------|---------|---|
|         |                       |              |              | 小山一      | 子生儿口        | REV       | LOCATIONS  | DESCRIPTION            | DATE     | REVISER | + |
|         |                       |              | X            | 别纶电.     | 则品有众        |           |            |                        |          |         |   |
|         |                       |              | 东            |          | 子制品有承受      |           |            |                        |          |         |   |
|         |                       |              |              |          | 프           |           |            |                        |          |         |   |
|         |                       |              |              | ┯¥       | 呈部          |           |            |                        |          |         |   |
| 0       |                       |              |              |          |             |           |            |                        |          |         |   |
| Circuit | <sup>S</sup> Part No. | Dimension    | · · ·        | Circuits | Part No     |           |            | sions(in/mm)           |          |         |   |
| (n)     |                       | A            | B            | (n)      |             |           | A          | B                      |          |         |   |
| 4       | FFH25410–D04SXXXXK6K  | .100(2.54)   | .220(5.58)   | 44       | FFH25410-D4 |           | 2.100(53.3 |                        | -        |         |   |
| 6       | FFH25410–D06SXXXXK6K  | .200(5.08)   | .320(8.12)   | 46       | FFH25410-D4 |           | 2.200(55.8 | · · · · ·              | <u>,</u> |         |   |
| 8       | FFH25410–D08SXXXXK6K  | .300(7.62)   | .420(10.66)  | 48       | FFH25410-D4 |           | 2.300(58.4 |                        |          |         |   |
| 10      | FFH25410-D10SXXXXK6K  | .400(10.16)  | .520(13.20)  | 50       | FFH25410-D5 | OS1XXXK6K | 2.400(60.9 | · · ·                  |          |         |   |
| 12      | FFH25410-D12SXXXXK6K  | .500(12.70)  | .620(15.74)  | 52       | FFH25410-D5 | 2S1XXXK6K | 2.500(63.5 | 0) 2.620(66.5          | 4)       |         |   |
| 14      | FFH25410-D14SXXXXK6K  | .600(15.24)  | .720(18.28)  | 54       | FFH25410-D5 | 4S1XXXK6K | 2.600(66.0 | 4) 2.720(69.0          | 8)       |         |   |
| 16      | FFH25410-D16SXXXXK6K  | .700(17.78)  | .820(20.82)  | 56       | FFH25410-D5 | 6S1XXXK6K | 2.700(68.5 | 58) <u>2.820(71.62</u> | 2)       |         |   |
| 18      | FFH25410-D18SXXXXK6K  | .800(20.32)  | .920(23.36)  | 58       | FFH25410-D5 | 8S1XXXK6K | 2.800(71.1 | 2) 2.920(74.16         | 5)       |         |   |
| 20      | FFH25410-D20SXXXXK6K  | .900(22.86)  | 1.020(25.90) | 60       | FFH25410-D6 | OS1XXXK6K | 2.900(73.6 | 6) 3.020(76.7          | 0)       |         |   |
| 22      | FFH25410-D22SXXXXK6K  | 1.000(25.40) | 1.120(28.44) | 62       | FFH25410-D6 | 2S1XXXK6K | 3.000(76.2 | 0) 3.120(79.24         | 4)       |         |   |
| 24      | FFH25410-D24SXXXXK6K  | 1.100(27.94) | 1.220(30.98) | 64       | FFH25410-D6 | 4S1XXXK6K | 3.100(78.7 | 4) 3.220(81.78         | 3)       |         |   |
| 26      | FFH25410–D26SXXXXK6K  | 1.200(30.48) | 1.320(33.52) | 66       | FFH25410-D6 | 6S1XXXK6K | 3.200(81.2 | 8) 3.320(84.3          | 2)       |         |   |
| 28      | FFH25410-D28SXXXXK6K  | 1.300(33.02) | 1.420(36.06) | 68       | FFH25410-D6 | 8S1XXXK6K | 3.300(83.8 | 2) 3.420(86.8          | 6)       |         |   |
| 30      | FFH25410-D30SXXXXK6K  | 1.400(35.56) | 1.520(38.60) | 70       | FFH25410-D7 | OS1XXXK6K | 3.400(86.3 | 6) 3.520(89.4          | 0)       |         |   |
| 32      | FFH25410–D32SXXXXK6K  | 1.500(38.10) | 1.620(41.14) | 72       | FFH25410-D7 | 2S1XXXK6K | 3.500(88.9 | 00) 3.620(91.9         | 4)       |         |   |
| 34      | FFH25410-D34SXXXXK6K  | 1.600(40.64) | 1.720(43.68) | 74       | FFH25410-D7 |           | 3.600(91.4 | 4) 3.720(94.4          | 8)       |         |   |
| 36      | FFH25410-D36S1XXXK6K  | 1.700(43.18) | 1.820(46.22) | 76       | FFH25410-D7 | 6S1XXXK6K | 3.700(93.9 | 8) 3.820(97.0          | 2)       |         |   |
| 38      | FFH25410-D38S1XXXK6K  | 1.800(45.72) | 1.920(48.76) | 78       | FFH25410-D7 | 8S1XXXK6K | 3.800(96.5 | ,                      | · .      |         |   |
| 40      | FFH25410–D40S1XXXK6K  | 1.900(48.26) | 2.020(51.30) | 80       | FFH25410-D8 | OS1XXXK6K | 3.900(99.0 | 6) 4.020(102.1         | 0)       |         |   |
| 42      | FFH25410–D42S1XXXK6K  | 2.000(50.80) | 2.120(53.84) |          |             |           |            |                        | <u> </u> |         |   |



3

2

Α

В

С

D

Е

F

1

|       |            | GENERAL TOLERANCES |                 | DATE       | PART NO.  |   |          | $(-, \mathbb{R})$ |                   |   |
|-------|------------|--------------------|-----------------|------------|-----------|---|----------|-------------------|-------------------|---|
| -     | D ANGLE    | (UNLESS SPE        | CIFIED)         | FRANK      | 12/AUG/13 | FFH25410–DXXSXXXXK6K  | FFH25410 |                   | (U)) <sup>-</sup> | l |
|       | JECTION    | X.±.012(0.30)      | X. <b>*</b> ±5* | CHECKED BY | DATE      | TITLE   |          |                   | -KAMI NG          | l |
|       | și unitș 🔪 | X.X±.008(0.20)     | .X*±2*          | CHERRY     | 12/AUG/13 | Board to Board (Female I  |          | REV 0             | SHEET NO. 2/2     |   |
|       | (metric)   | X.XX±.006(0.15)    | .XX°±1°         | DRAWN BY   | DATE      | Pitch 2.54mm 180* Vertic<br>THIS DRAWNG CONTAINS INFORMATION TI |          |                   | ,                 | ł |
| SCALE | E SIZE     | X.XXX±.004(0.10)   |                 | JACOB      |           | ELECTRONIC PRODUCTS CO., LTD. AND S                             |          |                   |                   |   |
|       | 4          |                    | 5               |            | 6         | 7   |          |                   | 8                 | / |

Α

В

С

D

Ε

F