



**Distributor of FCI: Excellent Integrated System Limited**

Datasheet of 67683-017 - Connector Receptacle 34 Position 0.100" (2.54mm) Gold Through Hole, Right Angle

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

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## **Excellent Integrated System Limited**

Stocking Distributor

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[FCI](#)  
[67683-017](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



PRODUCT NO.  
SEE TABLE

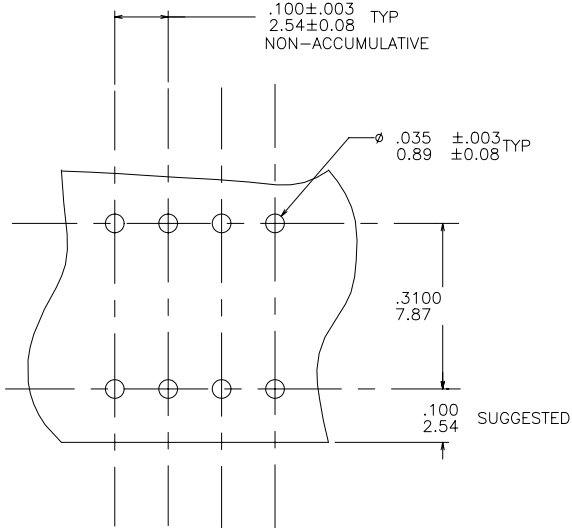


FIGURE 1

NOTES:

1. HOUSING MATERIAL:  
FILLED HIGH TEMPERATURE NYLON  
PER UL 94V-0  
COLOR: BLACK
2. TERMINAL MATERIAL:  
BODY: BRASS. .010/0.25 THICK  
SPRING: BE-CU. HEAT TREATED  
BODY PLATING :  
15 MICROINCH GOLD/0.38 MICRON GOLD  
IN CONTACT AREA  
SPRING PLATING: GOLD FLASH
3. APPLICATION INFORMATION:  
A. RECOMMENDED MOUNTING HOLE  
PATTERN IS SHOWN IN FIGURE "1"  
B. ALL MATING PINS TO BE .025/.64 SQUARE ON  
TRUE CENTER OF GIVEN TERMINAL  
SPACINGS WITHIN .015/0.38 DIA.  
C. SUGGESTED MATING PIN LENGTH  
.350±.020/8.89±0.51
- ④ ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD  
FREE OPTION.
- ⑤ THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
7. THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE  
SOLDER PROCESS.

|             |             |          |                   |            |                             |
|-------------|-------------|----------|-------------------|------------|-----------------------------|
| mat'l. code |             | surface  | tolerance         | projection | product family              |
| -           |             | ISO 1302 | ISO 406           | ISO 1101   | CARD CONN                   |
| ltr         | ecr         | no       | dr                | date       | title                       |
| J           |             |          |                   |            | GUIDE PIN<br>CARD CONNECTOR |
|             |             | angles   | linear            | INCH/MM    | scale 4:1                   |
|             |             |          | .XX±.01/.3        |            |                             |
|             |             |          | .XXX ±.005/.13    |            |                             |
|             |             |          | .XXXX ±.0020/.051 |            |                             |
| dr          | J. SHREINER | 3/13/91  |                   |            | dwg no                      |
| enr         | M. HAHN     | 3/13/91  |                   |            | sheet 2 of 6                |
| chr         | M. HAHN     | 3/13/91  |                   |            | 67683                       |
| appd        | M. HAHN     | 3/13/91  |                   |            | A3                          |
| sheet       |             | revision |                   |            | type                        |
| index       | sheet       |          |                   |            | Product Customer Drawing    |



| PRODUCT NO. | NO. OF POS. | A DIM      | B DIM        | INSULATION PLUG | LEAD FREE OPTION |
|-------------|-------------|------------|--------------|-----------------|------------------|
| 67683-041   | 2X41        | 4.00/101.6 | 4.358/110.69 | NO              | NOTE 5,6         |
| -042        | 2X42        | 4.10/104.1 | 4.458/113.23 |                 |                  |
| -043        | 2X43        | 4.20/106.6 | 4.558/115.77 |                 |                  |
| -044        | 2X44        | 4.30/109.2 | 4.658/118.31 |                 |                  |
| -045        | 2X45        | 4.40/111.7 | 4.758/120.85 |                 |                  |
| -046        | 2X46        | 4.50/114.3 | 4.858/123.39 |                 |                  |
| -047        | 2X47        | 4.60/116.8 | 4.958/125.93 |                 |                  |
| -048        | 2X48        | 4.70/119.3 | 5.058/128.47 |                 |                  |
| -049        | 2X49        | 4.80/121.9 | 5.158/131.01 |                 |                  |
| -050        | 2X50        | 4.90/124.4 | 5.258/133.55 |                 |                  |
| -051        | 2X51        | 5.00/127.0 | 5.358/136.09 |                 |                  |
| -052        | 2X52        | 5.10/129.5 | 5.458/138.63 |                 |                  |
| -053        | 2X53        | 5.20/132.0 | 5.558/141.17 |                 |                  |
| -054        | 2X54        | 5.30/134.6 | 5.658/143.71 |                 |                  |
| -055        | 2X55        | 5.40/137.1 | 5.758/146.25 |                 |                  |
| -056        | 2X56        | 5.50/139.7 | 5.858/148.79 |                 |                  |
| -057        | 2X57        | 5.60/142.2 | 5.958/151.33 |                 |                  |
| -058        | 2X58        | 5.70/144.7 | 6.058/153.87 |                 |                  |
| -059        | 2X59        | 5.80/147.3 | 6.158/156.41 |                 |                  |
| -060        | 2X60        | 5.90/149.8 | 6.258/158.95 |                 |                  |
| -061        | 2X61        | 6.00/152.4 | 6.358/161.49 |                 |                  |
| -062        | 2X62        | 6.10/154.9 | 6.458/164.03 |                 |                  |
| -063        | 2X63        | 6.20/157.4 | 6.558/166.57 |                 |                  |
| -064        | 2X64        | 6.30/160.0 | 6.658/169.11 |                 |                  |
| 67683-065   | 2X65        | 6.40/162.5 | 6.758/171.65 | NO              |                  |
| -066 THRU   |             |            |              |                 | NOTE 5,6         |
| -100        |             |            |              |                 |                  |

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|------------------------|--|---------------------------------------|--|---------------------|--|--------------------------|--|----------------|--|
| mat'l. code            |  | surface                               |  | tolerance           |  | projection               |  | product family |  |
| -                      |  | ISO 1302                              |  | ISO 406             |  |                          |  | CARD CONN      |  |
| ISO 1101               |  | tolerances unless otherwise specified |  | linear              |  | INCH/MM                  |  | title          |  |
| .XX±.01/.3             |  | .XXX ±.005/.13                        |  | 0°±2'               |  | .XXXX ±.0020/.05         |  | scale 4:1      |  |
| dr J. SHREINER 3/13/91 |  | enr M. HAHN 3/13/91                   |  | chr M. HAHN 3/13/91 |  | appd M. HAHN 3/13/91     |  |                |  |
| sheet index            |  | revision sheet                        |  | dwg no              |  | sheet 4 of 6             |  | size           |  |
|                        |  |                                       |  | 67683               |  |                          |  | A3             |  |
|                        |  |                                       |  | type                |  | Product Customer Drawing |  |                |  |

| PRODUCT NO. | NO. OF POS. | A DIM       | B DIM        | INSUL. PLUG | LEAD FREE OPTION |
|-------------|-------------|-------------|--------------|-------------|------------------|
| 67683-501   |             |             | UNAVAILABLE  |             | NOTE 5,6         |
| -502        | 2X2         | .100/2.54   | .458/11.63   | YES         |                  |
| -503        | 2X3         | .200/5.08   | .558/14.17   |             |                  |
| -504        | 2X4         | .300/7.62   | .658/16.71   |             |                  |
| -505        | 2X5         | .400/10.16  | .758/19.25   |             |                  |
| -506        | 2X6         | .500/12.70  | .858/21.79   |             |                  |
| -507        | 2X7         | .600/15.24  | .958/24.33   |             |                  |
| -508        | 2X8         | .700/17.78  | 1.058/26.87  |             |                  |
| -509        | 2X9         | .800/20.32  | 1.158/29.41  |             |                  |
| -510        | 2X10        | .900/22.86  | 1.258/31.95  |             |                  |
| -511        | 2X11        | 1.000/25.4  | 1.358/34.49  |             |                  |
| -512        | 2X12        | 1.100/27.94 | 1.458/37.03  |             |                  |
| -513        | 2X13        | 1.200/30.48 | 1.558/39.57  |             |                  |
| -514        | 2X14        | 1.300/33.02 | 1.658/42.11  |             |                  |
| -515        | 2X15        | 1.400/35.56 | 1.758/44.65  |             |                  |
| -516        | 2X16        | 1.500/38.10 | 1.858/47.19  |             |                  |
| -517        | 2X17        | 1.600/40.64 | 1.958/49.73  |             |                  |
| -518        | 2X18        | 1.700/43.18 | 2.058/52.27  |             |                  |
| -519        | 2X19        | 1.800/45.72 | 2.158/54.81  |             |                  |
| -520        | 2X20        | 1.900/48.26 | 2.258/57.35  |             |                  |
| -521        | 2X21        | 2.000/50.80 | 2.358/59.89  |             |                  |
| -522        | 2X22        | 2.100/53.34 | 2.458/62.43  |             |                  |
| -523        | 2X23        | 2.200/55.88 | 2.558/64.97  |             |                  |
| -524        | 2X24        | 2.300/58.42 | 2.658/67.51  |             |                  |
| -525        | 2X25        | 2.400/60.96 | 2.758/70.05  |             |                  |
| -526        | 2X26        | 2.500/63.50 | 2.858/72.59  |             |                  |
| -527        | 2X27        | 2.600/66.04 | 2.958/75.13  |             |                  |
| -528        | 2X28        | 2.700/68.58 | 3.058/77.67  |             |                  |
| -529        | 2X29        | 2.800/71.12 | 3.158/80.21  |             |                  |
| -530        | 2X30        | 2.900/73.66 | 3.258/82.75  |             |                  |
| -531        | 2X31        | 3.000/76.20 | 3.358/85.29  |             |                  |
| -532        | 2X32        | 3.100/78.74 | 3.458/87.83  |             |                  |
| -533        | 2X33        | 3.200/81.28 | 3.558/90.37  |             |                  |
| -534        | 2X34        | 3.300/83.82 | 3.658/92.91  |             |                  |
| -535        | 2X35        | 3.400/86.36 | 3.758/95.45  |             |                  |
| -536        | 2X36        | 3.500/88.90 | 3.858/97.99  |             |                  |
| -537        | 2X37        | 3.600/91.44 | 3.958/100.53 |             |                  |
| -538        | 2X38        | 3.700/93.98 | 4.058/103.07 |             |                  |
| -539        | 2X39        | 3.800/96.52 | 4.158/105.61 |             |                  |
| 67683-540   | 2X40        | 3.900/99.60 | 4.258/108.15 | YES         | NOTE 5,6         |

|             |                |            |            |                               |
|-------------|----------------|------------|------------|-------------------------------|
| mat'l. code | surface        | tolerance  | projection | product family                |
| -           | ISO 1302       | ISO 406    | ISO 1101   | CARD CONN                     |
| ltr         | ecr            | no         | ldr        | date                          |
| J           |                |            |            |                               |
|             | angles         | linear     | INCH/MM    | title                         |
|             | 0°±2'          | .XX±.01/.3 | scale 4:1  | GUIDE PIN<br>CARD CONNECTOR   |
| dr          | J. SHREINER    | 3/13/91    |            | dwg no                        |
| enr         | M. HAHN        | 3/13/91    |            | sheet 5 of 6 size             |
| chr         | M. HAHN        | 3/13/91    |            | 67683                         |
| app         | M. HAHN        | 3/13/91    |            | A3                            |
| sheet index | revision sheet |            |            | type Product Customer Drawing |

| PRODUCT NO.  | NO. OF POS. | A DIM      | B DIM        | INSULATION PLUG | LEAD FREE OPTION |
|--------------|-------------|------------|--------------|-----------------|------------------|
| 67683-541    | 2X41        | 4.00/101.6 | 4.358/110.69 | YES             | NOTE 5,6         |
| -542         | 2X42        | 4.10/104.1 | 4.458/113.23 |                 |                  |
| -543         | 2X43        | 4.20/106.6 | 4.558/115.77 |                 |                  |
| -544         | 2X44        | 4.30/109.2 | 4.658/118.31 |                 |                  |
| -545         | 2X45        | 4.40/111.7 | 4.758/120.85 |                 |                  |
| -546         | 2X46        | 4.50/114.3 | 4.858/123.39 |                 |                  |
| -547         | 2X47        | 4.60/116.8 | 4.958/125.93 |                 |                  |
| -548         | 2X48        | 4.70/119.3 | 5.058/128.47 |                 |                  |
| -549         | 2X49        | 4.80/121.9 | 5.158/131.01 |                 |                  |
| -550         | 2X50        | 4.90/124.4 | 5.258/133.55 |                 |                  |
| -551         | 2X51        | 5.00/127.0 | 5.358/136.09 |                 |                  |
| -552         | 2X52        | 5.10/129.5 | 5.458/138.63 |                 |                  |
| -553         | 2X53        | 5.20/132.0 | 5.558/141.17 |                 |                  |
| -554         | 2X54        | 5.30/134.6 | 5.658/143.71 |                 |                  |
| -555         | 2X55        | 5.40/137.1 | 5.758/146.25 |                 |                  |
| -556         | 2X56        | 5.50/139.7 | 5.858/148.79 |                 |                  |
| -557         | 2X57        | 5.60/142.2 | 5.958/151.33 |                 |                  |
| -558         | 2X58        | 5.70/144.7 | 6.058/153.87 |                 |                  |
| -559         | 2X59        | 5.80/147.3 | 6.158/156.41 |                 |                  |
| -560         | 2X60        | 5.90/149.8 | 6.258/158.95 |                 |                  |
| -561         | 2X61        | 6.00/152.4 | 6.358/161.49 |                 |                  |
| -562         | 2X62        | 6.10/154.9 | 6.458/164.03 |                 |                  |
| -563         | 2X63        | 6.20/157.4 | 6.558/166.57 |                 |                  |
| -564         | 2X64        | 6.30/160.0 | 6.658/169.11 |                 |                  |
| 67683-565    | 2X65        | 6.40/162.5 | 6.758/171.65 | YES             |                  |
| 566 THRU 600 |             |            |              |                 | NOTE 5,6         |

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|-------------|----------|----------|----|---------------------------------------|-------------|------------------|-------------------------------|----------------|--|
| mat'l. code |          | surface  |    | tolerance                             |             | projection       |                               | product family |  |
| -           |          | ISO 1302 |    | ISO 406                               |             | ISO 1101         |                               | CARD CONN      |  |
| ltr         | ecr      | no       | dr | tolerances unless otherwise specified |             | INCH/MM          |                               | title          |  |
| J           |          |          |    | angles                                | linear      | .XX±.01/.3       | GUIDE PIN                     |                |  |
|             |          |          |    | 0'±2"                                 |             | .XXX ±.005/.13   | CARD CONNECTOR                |                |  |
|             |          |          |    |                                       |             | .XXXX ±.0020/.05 | scale 4:1                     |                |  |
|             |          |          |    | dr                                    | J. SHREINER | 3/13/91          | dwg no                        |                |  |
|             |          |          |    | enrg                                  | M. HAHN     | 3/13/91          | sheet 6 of 6 size             |                |  |
|             |          |          |    | chr                                   | M. HAHN     | 3/13/91          | 67683 A3                      |                |  |
|             |          |          |    | appd                                  | M. HAHN     | 3/13/91          | type Product Customer Drawing |                |  |
| sheet index | revision |          |    |                                       |             |                  |                               |                |  |
|             | sheet    |          |    |                                       |             |                  |                               |                |  |