



| | | |
|------|---------------|------------|
| REV. | ECN No. | APPD. |
| A | BC-17-0004532 | Adward |
| AX1 | 20170822 | Liang Gong |
| AX1 | 20170822 | Liang Gong |

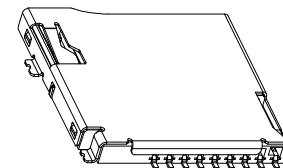
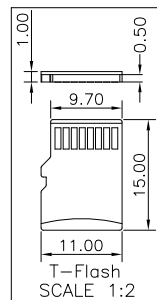
PRODUCT NO:

WQ 2 1 8 0 1 - B 2 1 8 0 - 7 F

| | |
|--------------------------------|-----------------|
| Series Prefix | WQ |
| Micro SD | 2 |
| Memory Card Conn | 1 |
| Termination Type | B |
| Switch Type | 2 |
| 2 = SMT Type | |
| Switch Type | 1 |
| 1 = Normal Open Type | |
| No. of Pos. | 8 |
| 8=8pin | |
| Stand off Type | 0 |
| 0 = 0mm | |
| Contact Area Plating Thickness | 1 |
| 1=Gold flash | |
| Colour | B=Black |
| Withdraw Type | 2=Normal / Push |
| Extension Code | |
| Package Type | 7=TAPE & REEL |
| LEAD FREE CODE | F=LEAD FREE |

SPECIFICATION

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING: 0.5A.
 - CONTACT RESISTANCE: 100 mOHMS MAX.(INITIAL)
40 mOHMS MAX CHANGE (AFTER LIFE TEST)
 - DIELECTRIC WITHSTANDING VOLTAGE: 500 V AC RMS.
 - INSULATION RESISTANCE: 1000 MOHMS MIN.
AFTER TEST 100 MOHMS MIN.
 - OPERATING CURRENT: 0.1A MAX.
- MECHANICAL CHARACTERISTICS:
 - CARD MATING FORCE: 1.2kgf MAX.
 - CARD UNMATING FORCE: 0.7kgf Min.
 - DURABILITY: 5000 CYCLES.
- ENVIRONMENT CHARACTERISTICS:
 - OPERATING TEMPERATURE: -25°C TO 85°C.
 - STORAGE TEMPERATURE: -40°C~85°C
- CARD OPERATION GUIDE:
 - COMPATIBLE CARD: Mirco SD & TF CARD
 - CARD INSERT DIRECTION:
THE CARD SIDE WITH ELECTRIC PAD SHOULD BE AGAINST TOP SHIELD
- RECOMMENDED PEAK TEMPERATURE OF CUSTOMER IR PROCESS IS 250±5°C 10 S
- ALL SMT CONTACTS AND PADS CO-PLANARITY: 0.10mm MAX
- DON'T PERMIT TO BE TAKEN SMT RE-FLOW PROCESS WHEN PUSH-PUSH FEATURE IS IN LOCK STATUS.

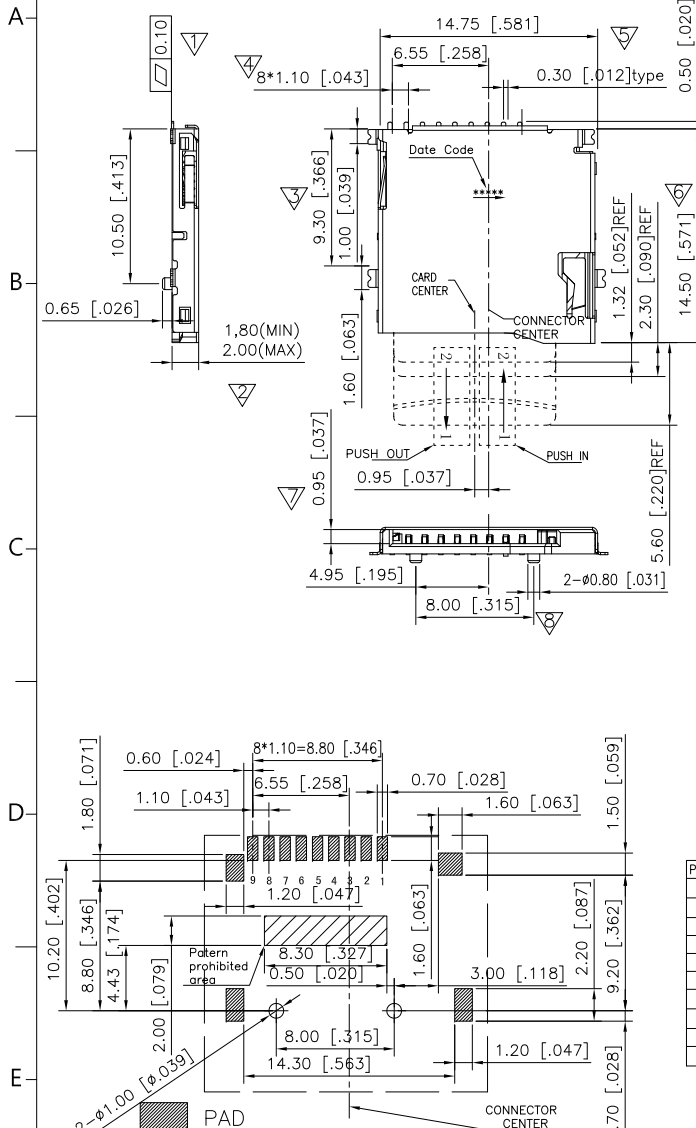


| PIN NO. | NAME | TYPE | DESCRIPTION |
|---------|---------|--------|----------------------------|
| 1 | DAT2 | I/O/PP | DATE LINE(BIT2) |
| 2 | CD/DAT3 | I/O/PP | CARD DETECT DATE LIN(BIT3) |
| 3 | CMD | PP | COMMAND RESPONSE |
| 4 | VDD | S | SUPPLY VOLTAGE |
| 5 | CLX | I | CLOCK |
| 6 | VSS | S | SUPPLY VOLTAGE GROUND |
| 7 | DAT0 | I/O/PP | DATE LINE(BIT0) |
| 8 | DAT1 | I/O/PP | DATE LINE(BIT1) |
| 9 | CD | I/O/PP | CARD DETECT |
| 10 | GND | S | SUPPLY VOLTAGE GROUND |

| NO. | DESCRIPTION | Q'TY | MATERIAL | FINISH | REMARK |
|-----|----------------|------|--------------------------------|---|--------|
| ⑥ | SLIDER | 1 | HIGH TEMPERATURE THERMOPLASTIC | COLOR : BLACK | |
| ⑤ | SPRING | 1 | S.W.P. | | |
| ④ | HOUSING | 1 | HIGH TEMPERATURE THERMOPLASTIC | COLOR : BLACK | |
| ③ | SIGNAL CONTACT | 9 | COPPER ALLOY | NICKEL UNDERPLATING LEAD-FREE Tm PLATING AT SOLDER TERMINAL CONTACT AREA : GOLD FLASH PLATING | |
| ② | CAM FOLLOWER | 1 | STAINLESS | | |
| ① | SHELL | 1 | STAINLESS | PLATE 40-60μ" NICKEL OVER ALL | |

| X. | ± 0.45 [0.018] | X° | ±2° | UNITS mm [inch] | NAME(INTENDED USE) CUSTOMER | FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED. | | | |
|--|-------------------|------|-----|-----------------------|--|---|--------------------------------|-------|------|
| .X | ± 0.38 [0.015] | X° | ±1° | | | CLASS: <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET <input checked="" type="checkbox"/> GENERAL | TITLE: Micro SD Card Connector | | |
| .XX | ± 0.25 [0.010] | XX° | | MAT'L N/A | PART NO.(INTENDED USE) WQ21801-B2180-7F | DWG NO.: 303-0000-3316 | | | |
| .XXX | ± 0.15 [0.006] | XXX° | | | | APPD: Dean Zhang 09/26/17 | SCALE | SHEET | REV. |
| THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF FOXCONN INTERCONNECT TECHNOLOGY LIMITED. | | | | | | CHKD: David Wang 09/26/17 | 1:1 | 1/1 | AX2 |
| Q'TY N/A | | | | | | DR: X.G Shi 09/26/17 | | | |

RECOMMENDED P.C.B HOLE LAYOUT
COMPONENT SIDE VIEW(TOLERANCE: +/-0.05)



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Memory Card Connectors](#) category:

Click to view products by [Foxconn](#) manufacturer:

Other Similar products are found below :

[6407-249V-25273P](#) [6407-249V-25343P](#) [6426-201-21343](#) [69.920.0553.0](#) [MCR60A-98D-2.54DSA\(70\)](#) [809180410000000](#) [DM3AT-SF-PEJM5\(41\)](#) [IC11S-BUR-PNEJL\(71\)](#) [C70210M0083692](#) [2041353-2](#) [308-DS1P0811-192](#) [HM2P09PDR360N9LF](#) [10014744-011TLF](#) [11327-001](#) [11327-002](#) [NX1-32T-KT3K\(05\)](#) [95622-003LF](#) [84648-056HLF](#) [CCM03-3109 B LFT](#) [MS3116J10-6PW](#) [2309923-1](#) [61126-050CAHLF](#) [GTFP08432B1HR](#) [G85D1160022HHR](#) [SCE2MSDB76A121SN](#) [SCE2MSDZN76A121SN](#) [10014744-011ALF](#) [10014744-011LF](#) [10057542-1211FLF](#) [10067972-000LF](#) [10067972-050LF](#) [10122302-20110LF](#) [G85D1162022HHR](#) [TF-05A](#) [XKNANO-1412](#) [SMN-304-ARP6](#) [MIS11-S1F1-2000-A](#) [SMN-308-ARSP7](#) [MCS-302S-KT1B](#) [SMN-308-ACSP7](#) [K-DYX-008](#) [K-DYX-004](#) [HYCW126-TF18-150B](#) [SMO-1030](#) [MCS-110-KT](#) [SIM-217](#) [SNO-1355-KT](#) [SMO-1025-P10](#) [SIM-211S-P6](#) [SNO-1440](#)