



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

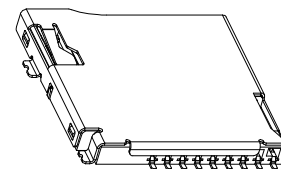
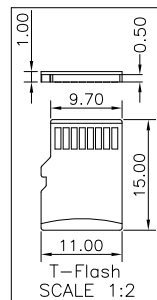
PRODUCT NO:

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

Series Prefix
 Mico SD
 Memory Card Conn
 Termination Type
 2 = SMT Type
 Switch Type
 1 = Normal Open Type
 No. of Pos.
 8=8pin
 Stand off Type
 0 = 0mm
 Contact Area Plating Thickness
 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

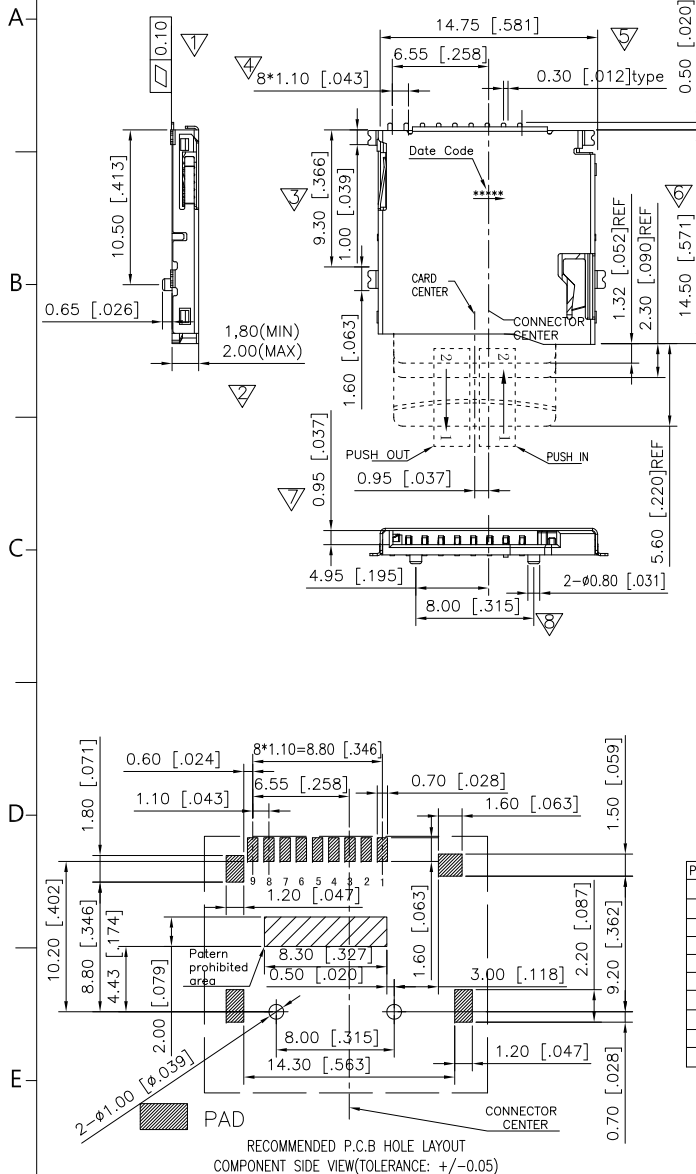
- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING: 0.5A.
 - CONTACT RESISTANCE: 100 mOHMS MAX.(INITIAL)
40 mOHMS MAX CHANGE (AFTER LIFE TEST)
 - DIELECTRIC WITHSTANDING VOLTAGE: 500 V AC RMS.
 - INSULATION RESISTANCE: 1000 MOHMS MIN.
AFTER TEST 100 MOHMS MIN.
 - OPERATING CURRENT: 0.1A MAX.
- MECHANICAL 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					
.XX	± 0.25 [0.010]	XX°		MAT'L N/A	PART NO.(INTENDED USE) WQ21801-B2180-7F	TITLE: Micro SD Card Connector					
.XXX	± 0.15 [0.006]	XXX°				DWG NO.: 303-0000-3316					
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						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)