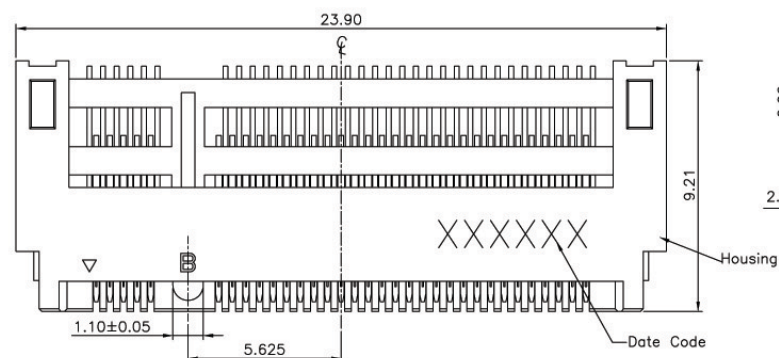


SECTION A-A

Notes:

1. Material Specification:

- 1-1. Housing: LCP+30% G.F UL94 V-0.
- 1-2. Contact: Copper Alloy (C5210) T=0.12mm.
- 1-3. Leg: Copper Alloy (C2680) T=0.20mm.

2. Plating Specification:

- 2-1. Contact: see P/N.
- 2-2. Leg: Matte Tin 50μ min. overall, Nickel 50μ min. underplated.

3. Mechanical Performance:

- 3-1. Insertion force: 20N max.
- 3-2. Withdrawal force: 20N max.
- 3-3. Durability: 60 cycles.
- 3-4. Vibration:

No electrical discontinuity greater than 1u second shall occur;

- 3-5. Mechanical shock: 285G half sine/6 axis. no electrical discontinuity greater than 1u second shall occur;

4. Electrical Performance:

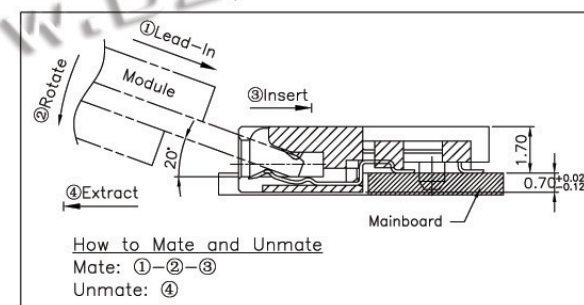
- 4-1. Current Rating: 0.5A (per pin).
- 4-2. Voltage Rating: 50V AC (per pin).
- 4-3. LLCR: Contact 55 mΩ max.(initial), 20 mΩ max. change allowed (final).
- 4-4. Insulation Resistance: 5,000 MΩ min. at 500V DC.
- 4-5. Dielectric withstand voltage: 300V AC/60s.

5. IR Reflow:

The peak temperature on board shall be maintained for 10 seconds at 260±5°C.

6. Operating temperature range: -40°C~85°C(without loss function).

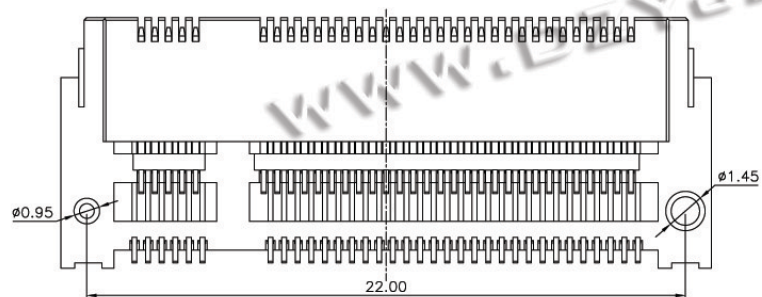
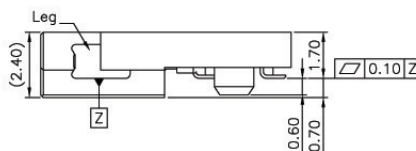
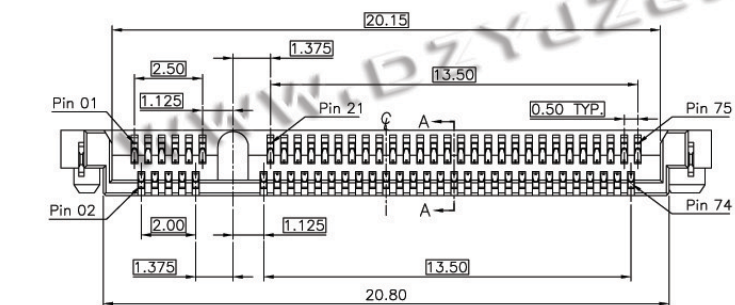
7. RoHS and Reach compliant.



How to Mate and Unmate

Mate: ①-②-③

Unmate: ④



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TOLERANCE:

X.X ±0.30
X.XX ±0.25
X.XXX ±0.15
X' ±2" X.X' ±0.5"



UNIT: mm [inch]

SCALE:1:1 SIZE: A4

DRAWN BY :

陈一鸣

DATE :

2014-02-23

PART NAME:

NGFF M.2 B KEY 1.7H 0.5PH

CHECKED BY:

马跃

DATE :

2014-02-23

PART NO.

HYC31B-05NGFF-170

APPROVED BY:

邱敏

DATE :

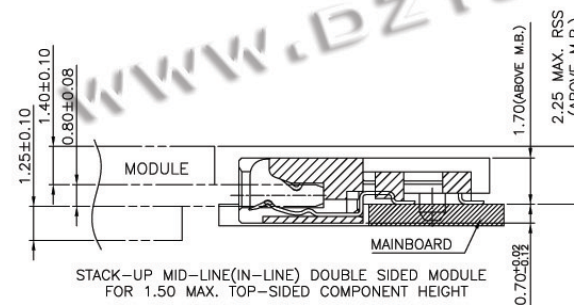
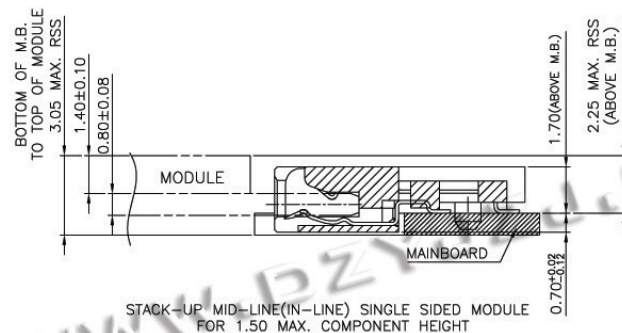
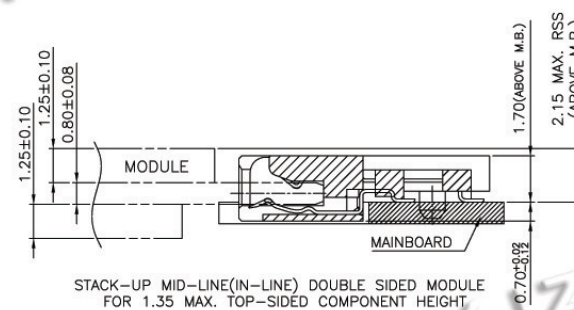
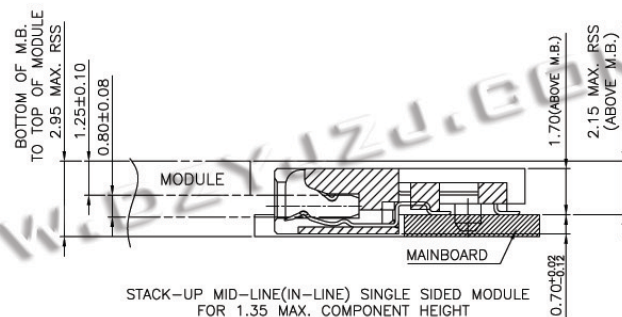
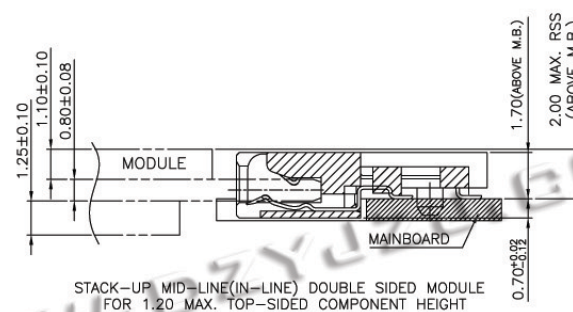
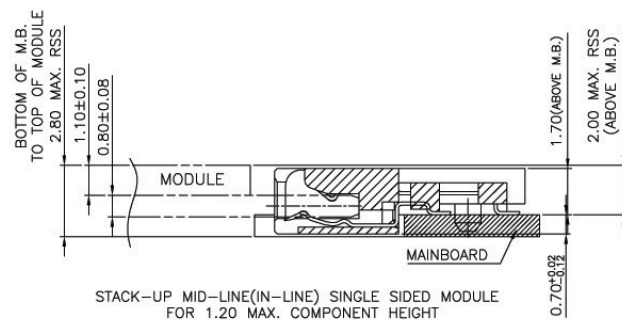
2014-02-23

DRAW NO:

HYC-2112041106

SHEET NO.

1 OF 1



深圳市华宇创精密电子有限公司

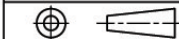
TOLERANCE:

X.X ±0.30

X.XX ±0.25

X.XXX ±0.15

X' ±2" X.X' ±0.5"



UNIT: mm [inch]

SCALE:1:1 SIZE: A4

DRAWN BY :

陈一鸣

DATE :

2014-02-23

CHECKED BY:

马跃

DATE :

2014-02-23

APPROVED BY:

邱敏

DATE :

2014-02-23

PART NAME:

NGFF M.2 B KEY 1.7H 0.5PH

PART NO.

HYC31B-05NGFF-170

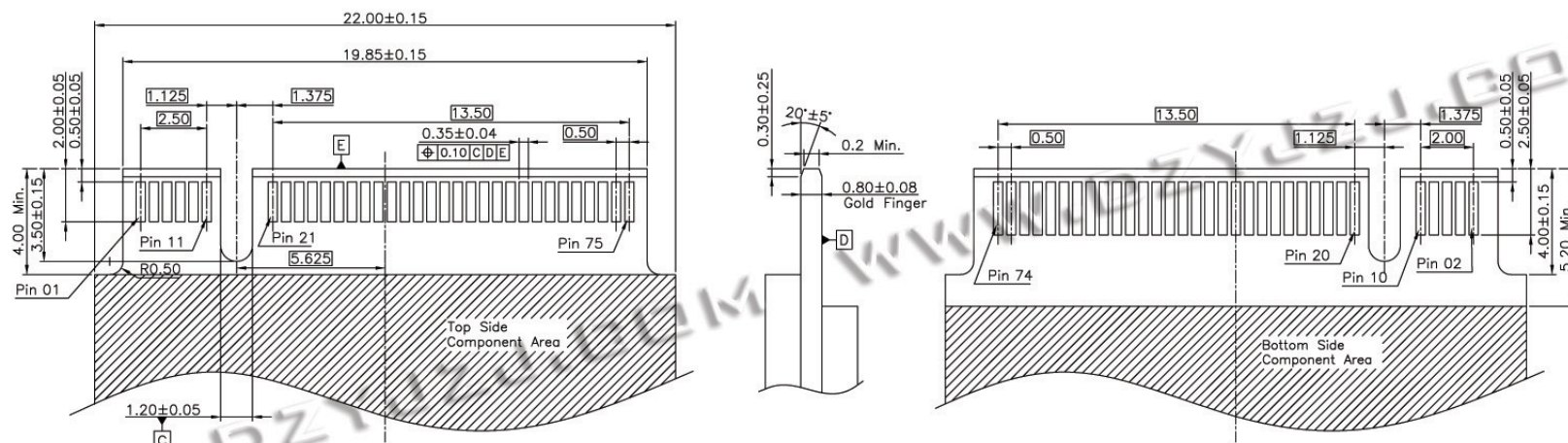
MOLD NO.

DRAW NO:

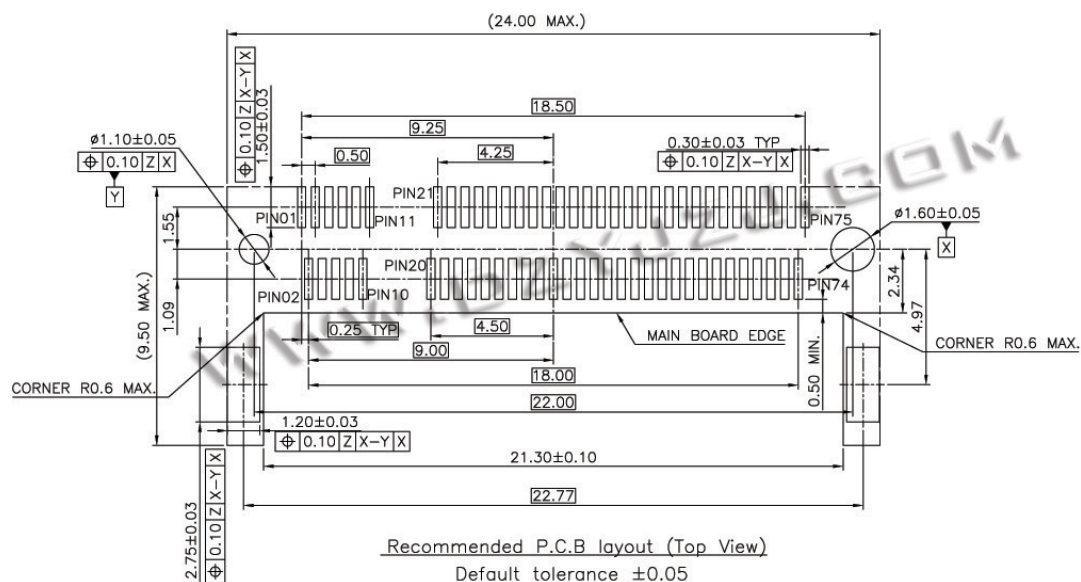
HYC-2112041106

SHEET NO.

1 OF 1



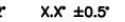
Recommended Module Finger Layout



Recommended P.C.B layout (Top View)
Default tolerance ± 0.05



深圳市华宇创精密电子有限公司

TOLERANCE:		DRAWN BY :	DATE :	PART NAME:	
X.X ±0.30		陈一鸣	2014-02-23	NGFF M.2 B KEY 1.7H 0.5PH	
X.XX ±0.25					
X.XXX ±0.15					
X.* ±2* X.X* ±0.5*		CHECKED BY:	DATE :	PART NO.	HYC31B-05NGFF-170
		马跃	2014-02-23	MOLD NO.	
		APPROVED BY:	DATE :	DRAW NO.	HYC-2112041106
		邱敏	2014-02-23	SHEET NO.	1 OF 1
UNIT: mm	[inch]				
SCALE:1:1	SIZE: A4				