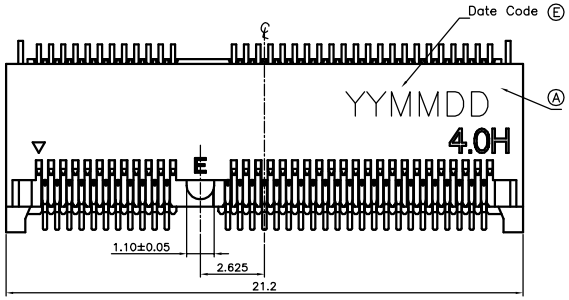
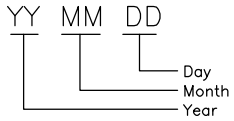
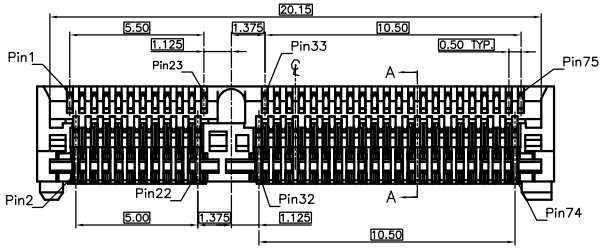
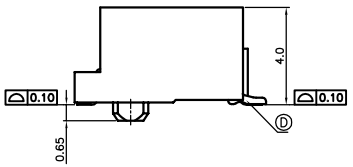
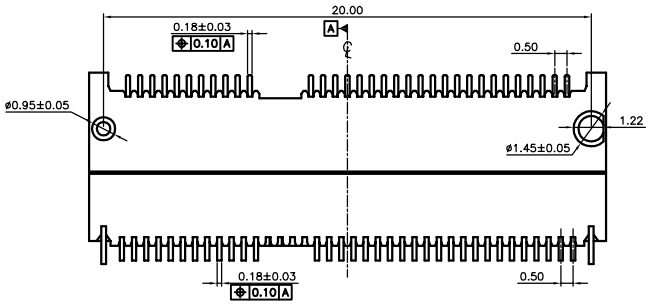
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2014.06.16

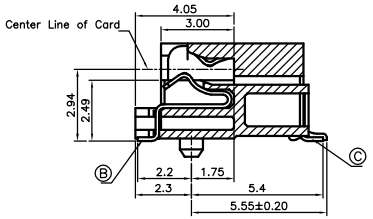




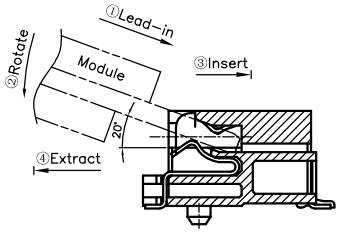




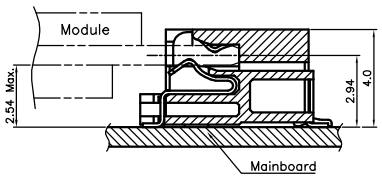




SECTION A–A



How to mate and unmate
Mate: ①– ② – ③
Unmate: ④



SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   1–1. CURRENT RATING: 0.5A(Per pin).
   1–2. VOLTAGE RATING: 50V AC(Per pin).
   1–3. LLCR: 55mΩ Max,(Initial), 20mΩ Max. change allowed(Final)
   1–4. INSULATION RESISTANCE: 500MΩ MIN. @ 500V DC.
   1–5. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC FOR 1 MINUTE.
2. MECHANICAL CHARACTERISTICS:
   2–1. INSERTION FORCE: 20N MAX.
   2–2. WITHDRAWAL FORCE: 20N MAX.
3. LIFE TEST: 60 CYCLES.
4. OTHER GENERAL SPEC. TO REFER "2NF1505 SERIES SPEC".
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. PACKAGE: SEE "2NF1505 SERIES" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.

PART NO.

2NF1505-004111F

- KEY TYPE 4: E-KEY
- SUFFIX: HALOGEN FREE
- PACKAGE 1: TAPE AND REEL
- HOUSING COLOR 1: BLACK
- CONTACT PLATING 1: GOLD FLASH ON CONTACT AREA, MATTE TIN ON SOLDER AREA NICKEL UNDERPLATED OVERALL

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
E	INK			BLACK
D	LEG	2	C2680-EH 0.20t	MATTE TIN PLATING OVER ALL, ALL OVER NICKEL
C	Upper CONTACT	34	C5210-SH 0.15t	SEE PART NO.
B	Lower CONTACT	33	C5210-SH 0.15t	SEE PART NO.
A	HOUSING	1	LCP E471i GF; UL94 V-0	BLACK

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: X :±0.5, X.X :±0.3, X.XX :±0.2
ANGLES: X :±2°, X.X :±1°

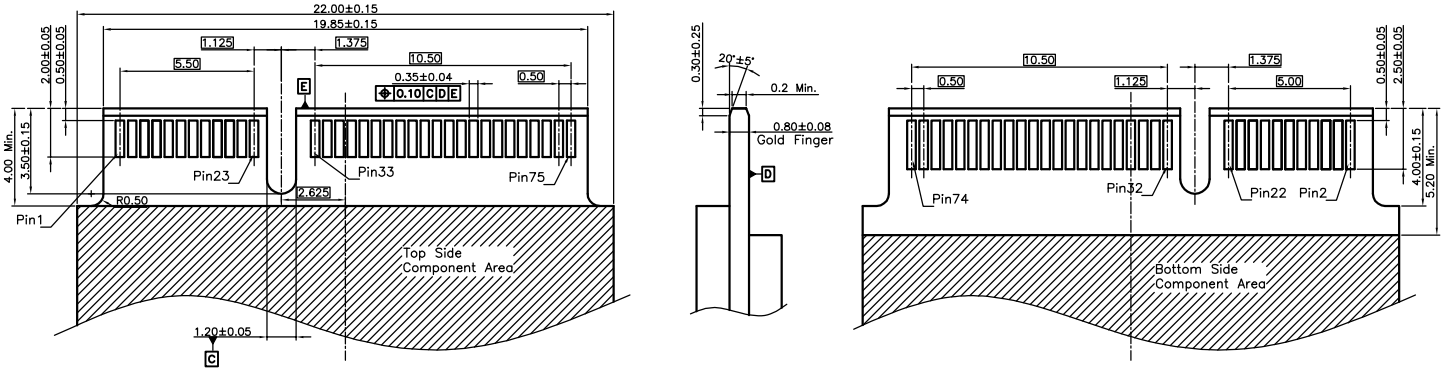
Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	NGFF Socket(M.2 Connector),4.0H,STD E Key		
DWN	IVY-C 2014.06.16	PART NO. 2NF1505-004111F	
CHKD		SCALE N/A	UNIT: mm
APVD	ANGELA2014.06.16	SIZE: A3	SHEET:1 OF 2 REV: A

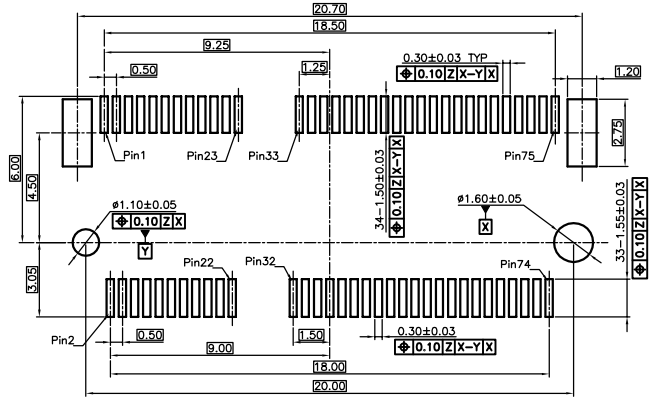
CUSTOMER COPY

文件編號 RD-06-043-A

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2014.06.16



Recommended Mould Finger Layout
Default Tolerance ±0.05



Recommended PCB Layout(Top View)
Default Tolerance ±0.05

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: X :±0.5 X.X :±0.3 X.XX :±0.2
ANGLES: X :±2° X.X :±1°

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	NGFF Socket(M.2 Connector),4.0H,STD E Key		
DWN	IVY-C 2014.06.16	PART NO. 2NF1505-004111F	
CHKD		SCALE N/A	UNIT: mm
APVD	ANGELA2014.06.16	SIZE: A3	SHEET:2 OF 2 REV: A

CUSTOMER COPY

文件編號 RD-06-043-A