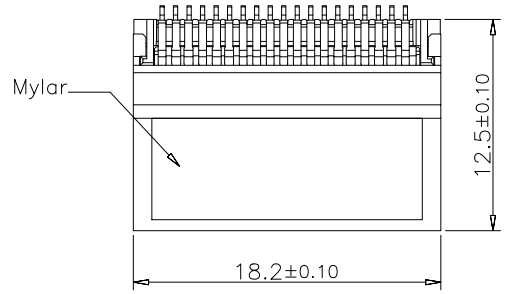
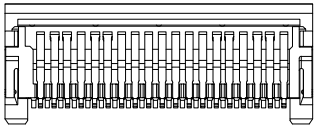
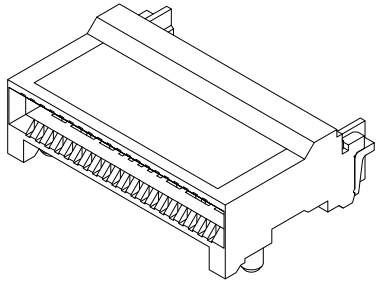
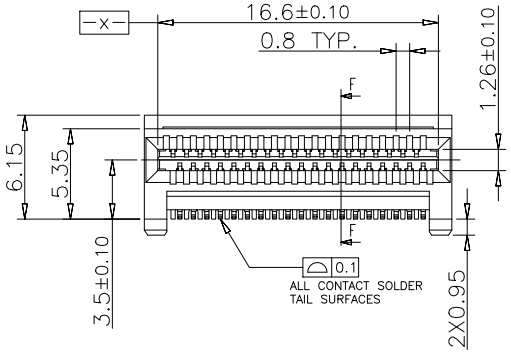
RoHS COMPLIANT

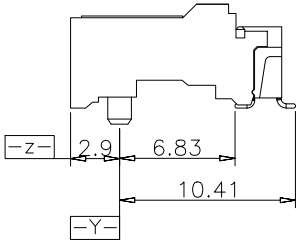
REV:	ECN. NO.	NAME	DATE
A0	-----	--------	04-03-2026

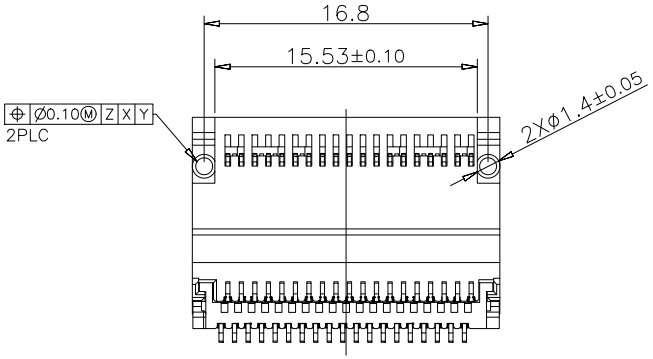


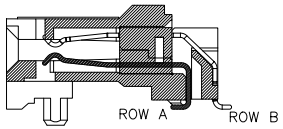












一.Material :
HOUSING : HIGH TEMPERATURE LCP, BLACK, UL 94 V-0 FLAME RETARDANT

二.TERMINAL :
NICKEL COPPER ALLOY

三.PLATING SPECIFICATION :
1.CONTACT AREA :
Plate Nickel: 50μ" Min
Plate Gold: 15μ" Min

2.SOLDER AREA :
Plate Nickel: 50μ" Min
Plate Matt Tin: 60-180μ"

四.ELECTRICAL CHARACTERISTICS :
Contact Current Rating: 0.5 Ampere
Voltage Rating: 30V AC
Contact Resistance: 50 Milliohms Max
Dielectric Withstanding Voltage: 300V DC

五.ENVIRONMENT :
Operation Temperature: -40°C to 85°C

GENERAL TOLERANCE
.X±0.25 .X±1°
.XX±0.13 .XX±5°
.XXX±0.10

VITALCONN a vital connector company

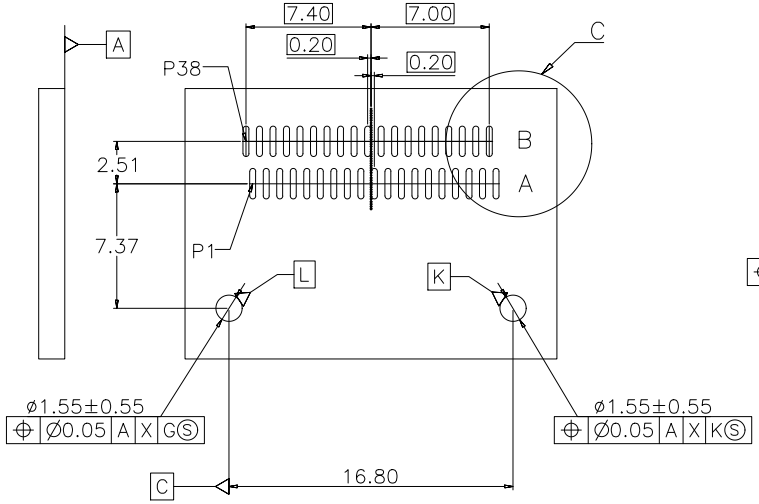
FOR YOUR VITAL CONNECTION

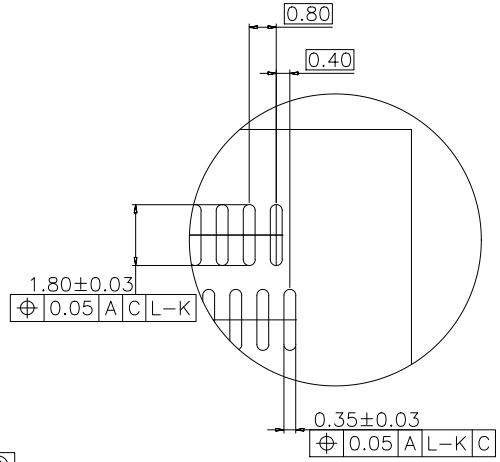
TITLE:	QSFP28 1X1 CONNECTOR					
DRAWN BY:	Zou Long	PART NO:	S5C21H0A00BA4	SHEET:	1 OF 5	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00088	SIZE: A4	UNIT:mm	FCN: A4
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

For technical support, please send an email to support@vitalconn.com

RoHS COMPLIANT

REV:	ECN. NO.	NAME	DATE
A0	-----	--------	04-03-2026





DETAIL C
SCALE 2:1

RECOMMENDED PCB DIMENSION TILERANCE±0.05

GENERAL TOLERANCE
.X±0.25 .X±1°
.XX±0.13 .XX±5°
.XXX±0.10

VITALCONN
a vital connector company

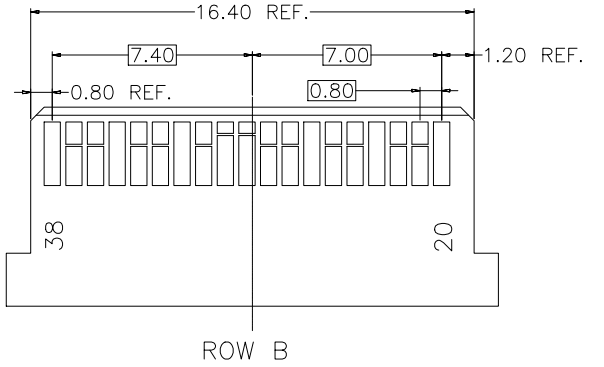
FOR YOUR
VITAL CONNECTION

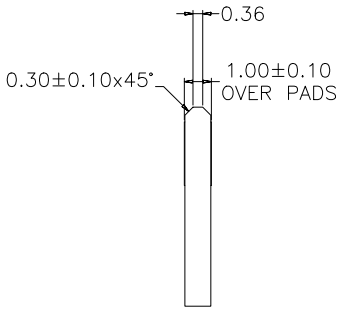
TITLE:	QSFP28 1X1 CONNECTOR					
DRAWN BY:	Zou Long	PART NO:	S5C21H0A00BA4	SHEET:	2 OF 5	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00088	SIZE: A4	UNIT:mm	FCN: A4
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

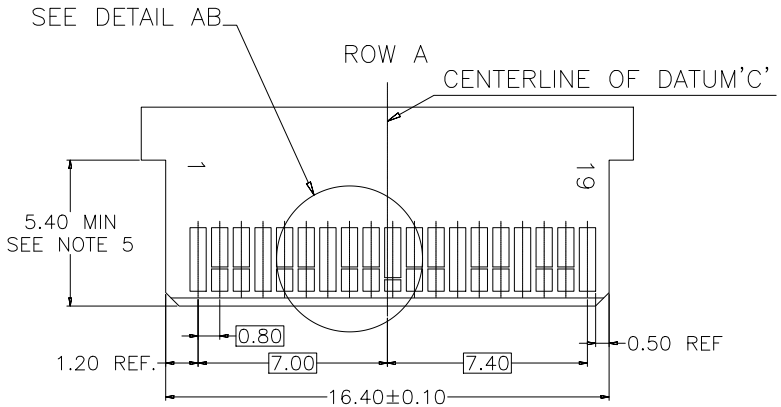
For technical support, please send an email to support@vitalconn.com

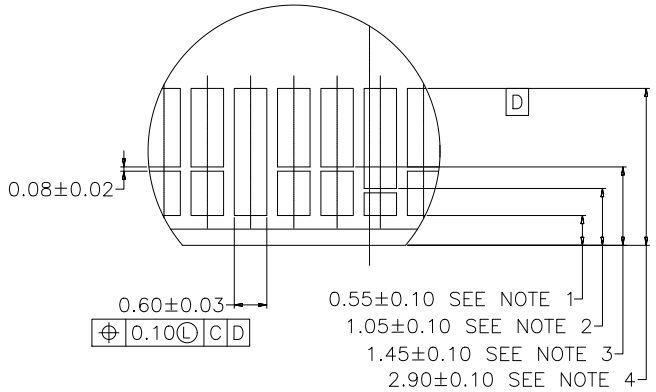
RoHS COMPLIANT

REV:	ECN. NO.	NAME	DATE
A0	-----	--------	04-03-2026









DETAIL AB
SCALE 2:1

NOTES:
1. PAD CONFIGURATION FOR FIRST MATE.
2. PAD CONFIGURATION FOR SECOND MATE.
3. PAD CONFIGURATION FOR THIRD MATE (HIGH SPEED SIGNALS).
4. FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
5. MINIMUM STEP REQUIRED IF PCB MADE WIDER THAN CARD TONGUE.

GENERAL TOLERANCE
.X±0.25 .X±1°
.XX±0.13 .XX±5°
.XXX±0.10

VITALCONN a vital connector company

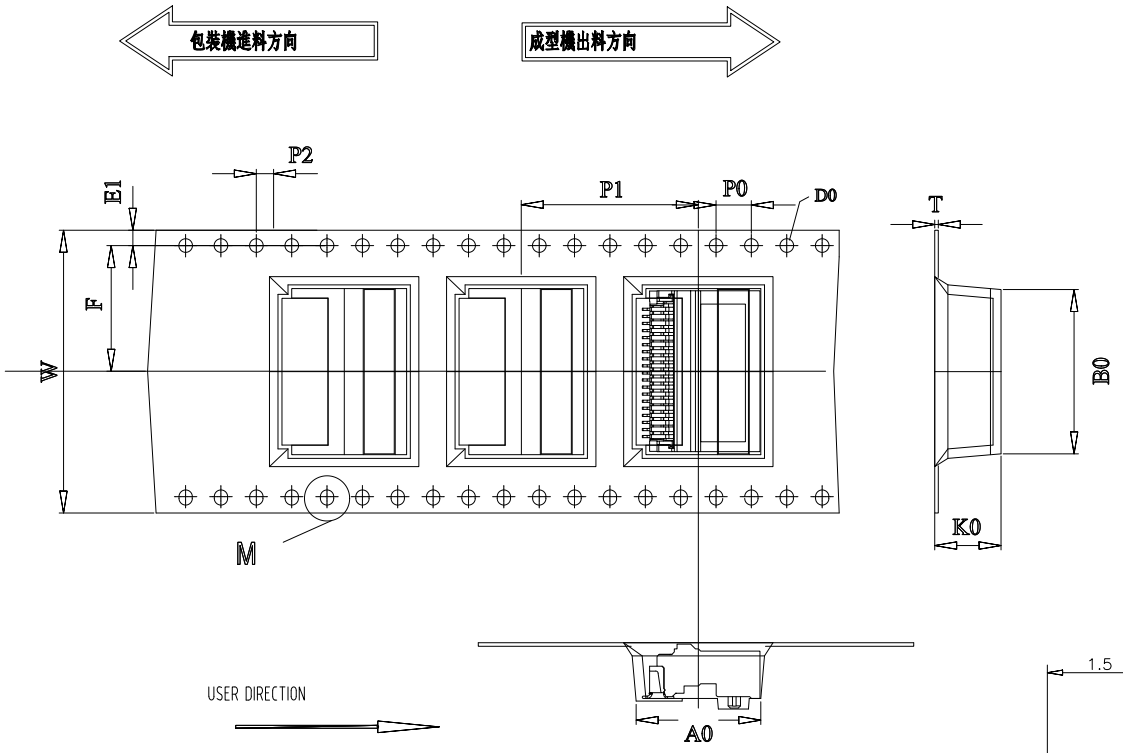
FOR YOUR VITAL CONNECTION

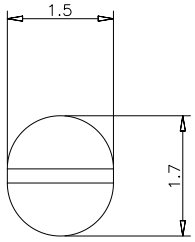
TITLE:	QSFP28 1X1 CONNECTOR					
DRAWN BY:	Zou Long	PART NO:	S5C21H0A00BA4	SHEET:	3 OF 4	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00088	SIZE: A4	UNIT:mm	FCN: A4
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

For technical support, please send an email to support@vitalconn.com

RoHS COMPLIANT

REV:	ECN. NO.	NAME	DATE
A0	-----	--------	04-03-2026





M部祥图

W ± 0.30	32.00
T ± 0.05	0.40
P1 ± 0.10	20.0
A0 ± 0.10	13.80
B0 ± 0.10	18.30
K0 ± 0.10	7.70
D0 +0.10 −0.0	1.50
D1 ± 0.10	
F ± 0.10	14.20
E1 ± 0.10	1.75
P0 ± 0.10	4.00
P2 ± 0.10	2.00

(1)任意10个扣链齿轮孔的累计误差不超过±0.20mm;
(2)材料厚度以载带边缘测量为准;
(3)载带长度方向250mm距离的非平行度不得超过1mm;
(4)未注公差为:±0.1mm.
(5)未注脱模斜度为:5°.
(6)所有尺寸符合EIA-481-B版本。
(7)材料：黑色 PS(聚晖)
(8)卷轮：13″4″分体卷轮，载带长度：4.896 M/卷.
(9)包装颗数：400PCS/卷

GENERAL TOLERANCE
.X±0.25 .X±1°
.XX±0.13 .XX±5°
.XXX±0.10

VITALCONN a vital connector company

FOR YOUR VITAL CONNECTION

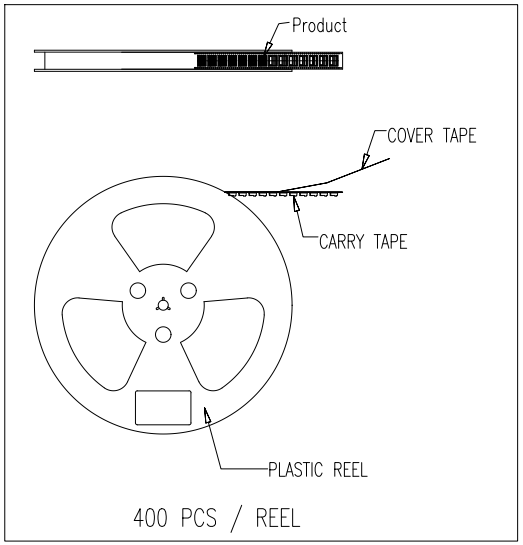
TITLE:	QSFP28 1X1 CONNECTOR					
DRAWN BY:	Zou Long	PART NO:	S5C21H0A00BA4	SHEET:	4 OF 5	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00088	SIZE: A4	UNIT:mm	FCN: A4
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

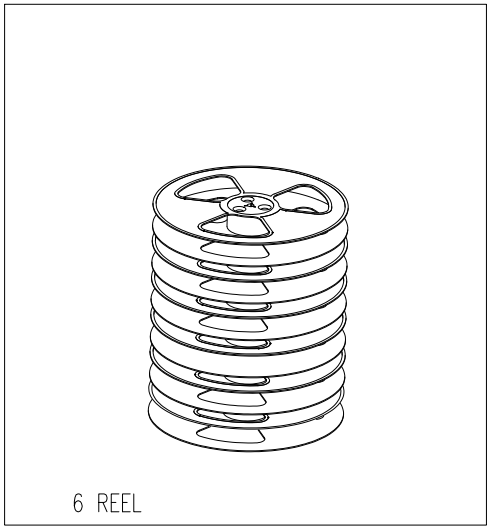
For technical support, please send an email to support@vitalconn.com

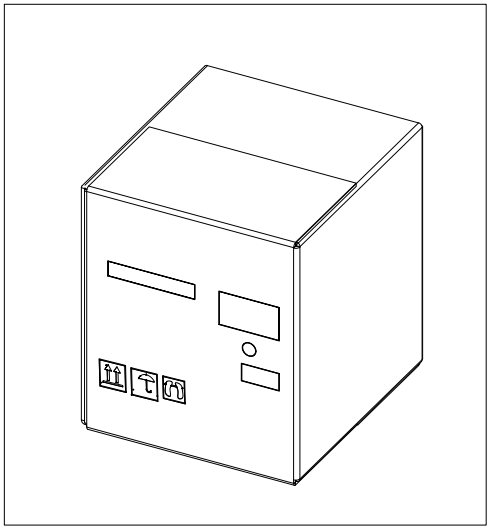
RoHS COMPLIANT

REV:	ECN. NO.	NAME	DATE
A0	-----	--------	04-03-2026

PACKAGE INFORMATION AND LABLE







PACKING QUANTITY : 400 PCS FINISHED GOODS PER REEL.

6 REEL (2400 PCS FINISHED GOODS) PER CARTON BOX.

GENERAL TOLERANCE
.X±0.25 .X±1°
.XX±0.13 .XX±5°
.XXX±0.10

VITALCONN a vital connector company

FOR YOUR VITAL CONNECTION

		TITLE:	QSFP28 1X1 CONNECTOR			
DRAWN BY:	Zou Long	PART NO:	S5C21H0A00BA4	SHEET:	5 OF 5	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00088	SIZE: A4	UNIT:mm	FCN: A4
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

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