

MATERIAL

HOUSING: NYLON66, UL94V-0

SPRING: STAINLESS STEEL

SCREW: STEEL, M3/Zn PLATED, TORQUE: 0.5N.m

PIN: COPPER ALLOY, M3/Sn PLATED

ORDER INFORMATION

5 T S 5 0 0 S -



500:
PITCH 5.00mm

3 0 0

SERIES NO.

N X X

NO OF PINS TOTAL
(02~24P)

X L

U: BLUE
B: BLACK

X - 0 1

B: BAG

AMTEK 懽德

2025.07.04

Released DCC

MECHANICAL

OPERATING TEMPERATURE: -40°C~+105°C

SOLDERING TEMPERATURE: 260°C/5S

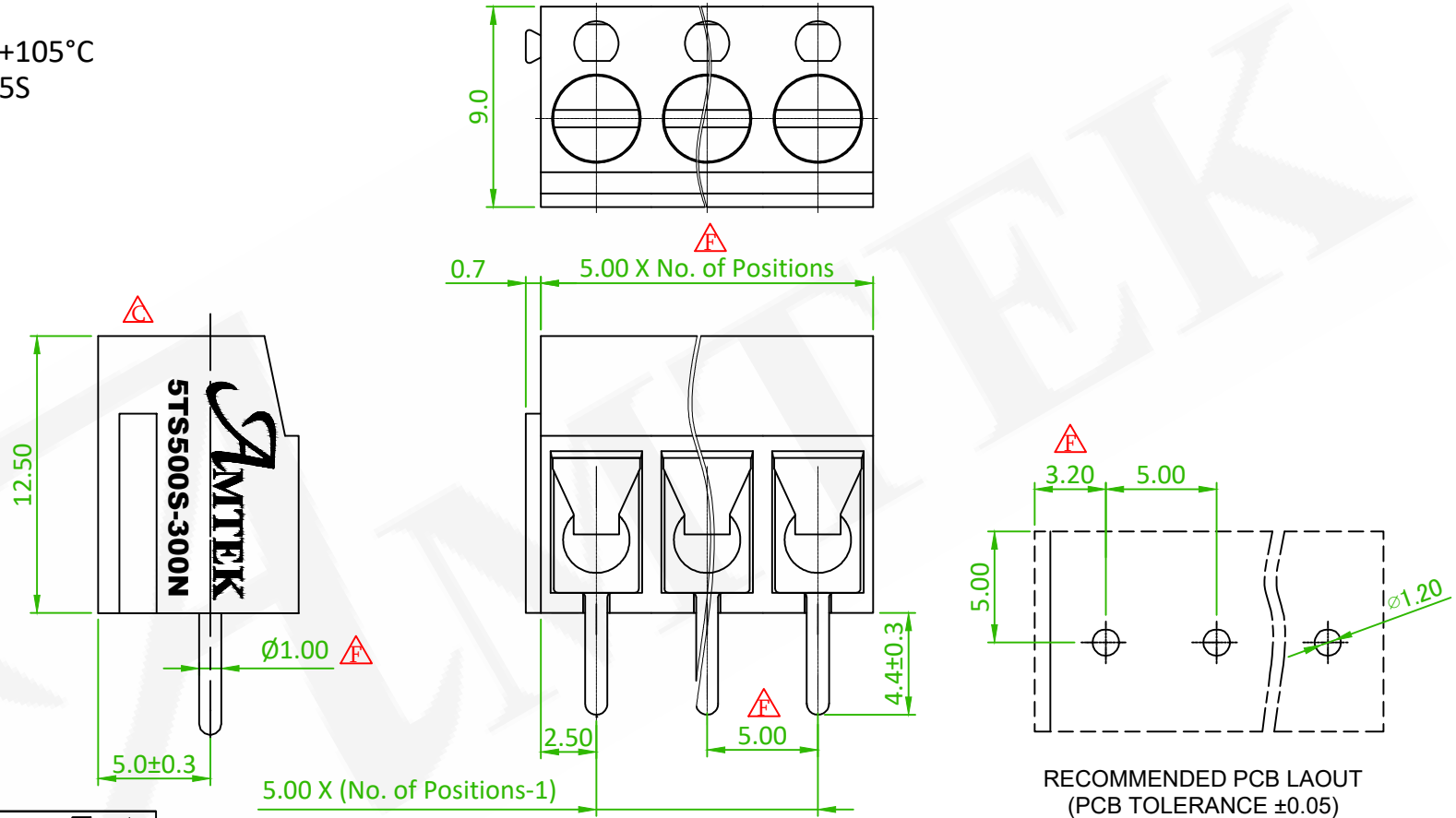
STRIPPING LENGTH: 5~6mm

TECHNICAL DATA

UL/CUL

SAFETY APPROVAL			
USE GROUP	B	C	D
RATED VOLTAGE (V)	250	-	250
RATED CURRENT (A)	16	-	10
WIRE RANGE	22-14		
SOLID/STRANDED (AWG)			
WITHSTANDING VOLTAGE	1500V (1MIN)		

IEC	GB/T 14486-2008		
OVERVOLTAGE CATEGORY	III	III	II
CONTAMINATION CLASS	3	2	2
RATED VOLTAGE (V)	250	400	630
RATED CURRENT (A)	24	24	24
IMPULSE WITHSTANDING VOLTAGE (KV)	4.0	4.0	4.0
CONDUCTOR CROSS SECTION SOLID/FLEXIBLE (mm ²)	0.5-2.5		



RECOMMENDED PCB LAOUT
(PCB TOLERANCE ± 0.05)



linear dimension (Tolerances Standard GB/T 14486-2008)

variable range	to 6	over 6 to 10	over 10 to 30	over 30 to 60	over 60 to 100	over 100 to 160	over 160 to 250	to 10	over 10 to 100	over 100 to 250
tolerance	± 0.20	± 0.30	± 0.50	± 0.70	± 1.00	± 1.30	± 1.60	0.10	0.30	0.60

	ECN-202506050	Alice	2025/07/02
	BPM 20250210007	Willy	2025/02/11
	ECN NO.: 240348 Revise the drawing	Gaby	2024/11/15
REV.	ECN NO. OR DESCRIPTION	REVISED	DATE



品名 TITLE	TERMINAL BLOCK PCB SCREW 5.00mm DIP V/T TYPE				頁數 Page	1/1
品號 PART NO.	5TS500S-300NXXXLX-01				繪圖 DRAWN	MIA 2017/01/19
圖號 DRAWING NO.	GN011-MC235	版本 REV.	F	核對 CHECKED	Jonny 2017/01/19	
客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	Aaron 2017/01/19	
公差 TOLERANCE		單位 UNIT	mm	THIRD ANGLE PROJECTION		