

MATERIAL
HOUSING: NYLON66, UL94V-0
PIN: COPPER ALLOY, Sn PLATED

MECHANICAL
OPERATING TEMPERATURE: -40°C~+105°C
SOLDERING TEMPERATURE: 250°C/5S

TECHNICAL DATA

UL/CUL

SAFETY APPROVAL			
USE GROUP	B	C	D
RATED VOLTAGE (V)	300	-	300
RATED CURRENT (A)	15	-	10
WIRE RANGE	/		
SOLID/STRANDED (AWG)	/		
WITHSTANDING VOLTAGE	1600V (1MIN)		

IEC

OVERVOLTAGE CATEGORY	III	III	II
CONTAMINATION CLASS	3	2	2
RATED VOLTAGE (V)	320	320	630
RATED CURRENT (A)	12	12	10
IMPULSE WITHSTANDING VOLTAGE (KV)	4.0	4.0	4.0
CONDUCTOR CROSS SECTION	/		
SOLID/FLEXIBLE (mm ²)	/		

ORDER INFORMATION

5 T M 5 0 0 R - 0 5 4 N X X X L X - 0 1

500:
PITCH 5.00mm

SERIES NO.

NO OF POLES TOTAL
(02~24)

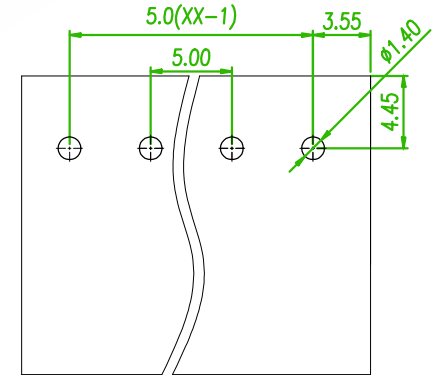
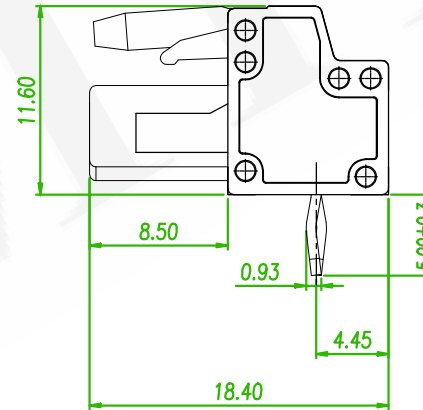
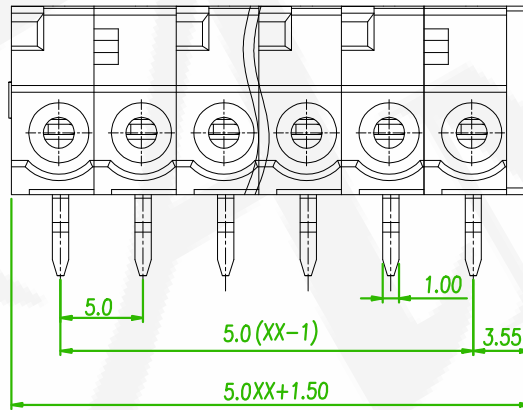
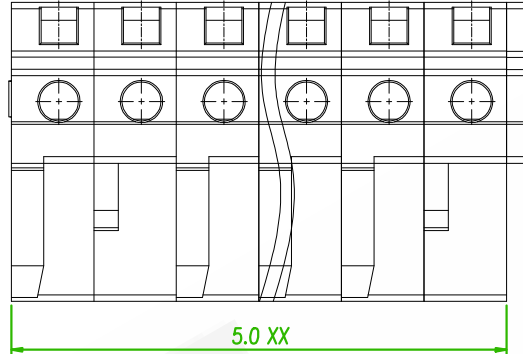
G: GRAY

B: BAG

AMTEK 糧德

2025.04.21

Released DCC



RECOMMENDED PCB LAYOUT
(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

EasyFlow No.: 202401240001

Randy 2024/03/19

ECN NO. OR DESCRIPTION

REVISED DATE



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品名 TITLE	TERMINAL BLOCK MCS 5.0mm DIP R/A TYPE				頁數 Page	1/1
品號 PART NO.	5TM500R-054NXXXLX-01				繪圖 DRAWN	RANDY 2024/03/19
圖號 DRAWING NO.	GN011-RD391	版本 REV.	A	核對 CHECKED	JOSH 2024/03/19	
客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	JOSH 2024/03/19	
公差 TOLERANCE		單位 UNIT	mm	第三 ANGLE PROJECTION		