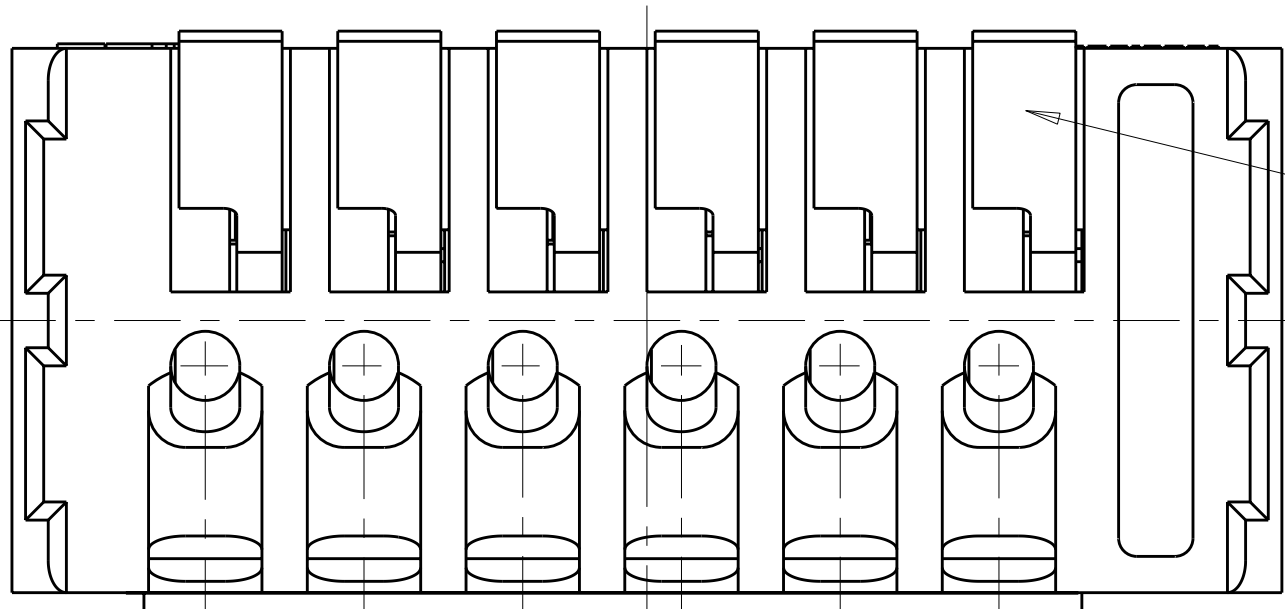


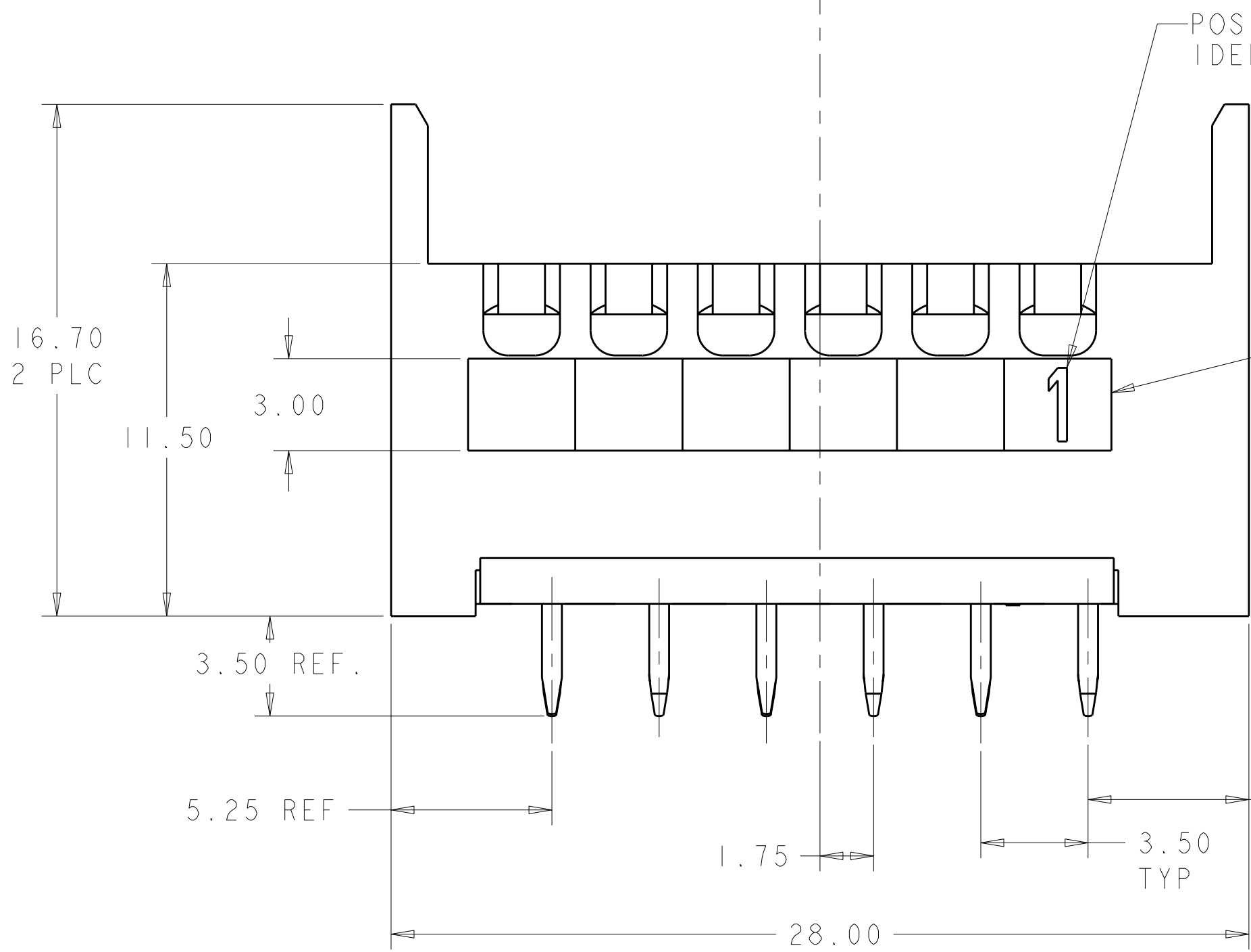
SCALE 4:1

1. TYPICAL CONNECTOR AS SHOWN ON THIS SHEET. SEE SHEET 2 FOR CONNECTOR PART NO WITH SELECT CONTACT LOADING, AND COLOR CODED LABELING.
- 2 MATERIAL; HOUSING: NYLON, ULV0 RATED; COLOR, NATURAL  
CONTACTS: PHOSPHOR BRONZE.
- 3 FINISH: CONTACTS: PREPLATED TIN, 2.5um MIN  
OVER 0.76um MIN NICKEL. CONTACT EDGES WILL BE UNPLATED.
4. ACCEPTABLE WIRE SIZE: 18AWG SOLID, 2.35 MAX INSULATION  
DIAMETER, 9.50±1.00 STRIP LENGTH
- 5 THE PCBs ARE VIEWED FROM THE CONNECTOR  
MOUNTING SIDE. CONNECTOR IS DESIGNED FOR USE IN A  
1.575±0.178 THICK PCB.
6. CONNECTOR CAN BE USED IN COMBINATION WITH WIRE STRAIN  
RELIEF COVER, PART NOS 1604957-1 AND 1604957-2.



WIRE RELEASE BUTTON  
6 PLC

0.76  
3.50  
TYP

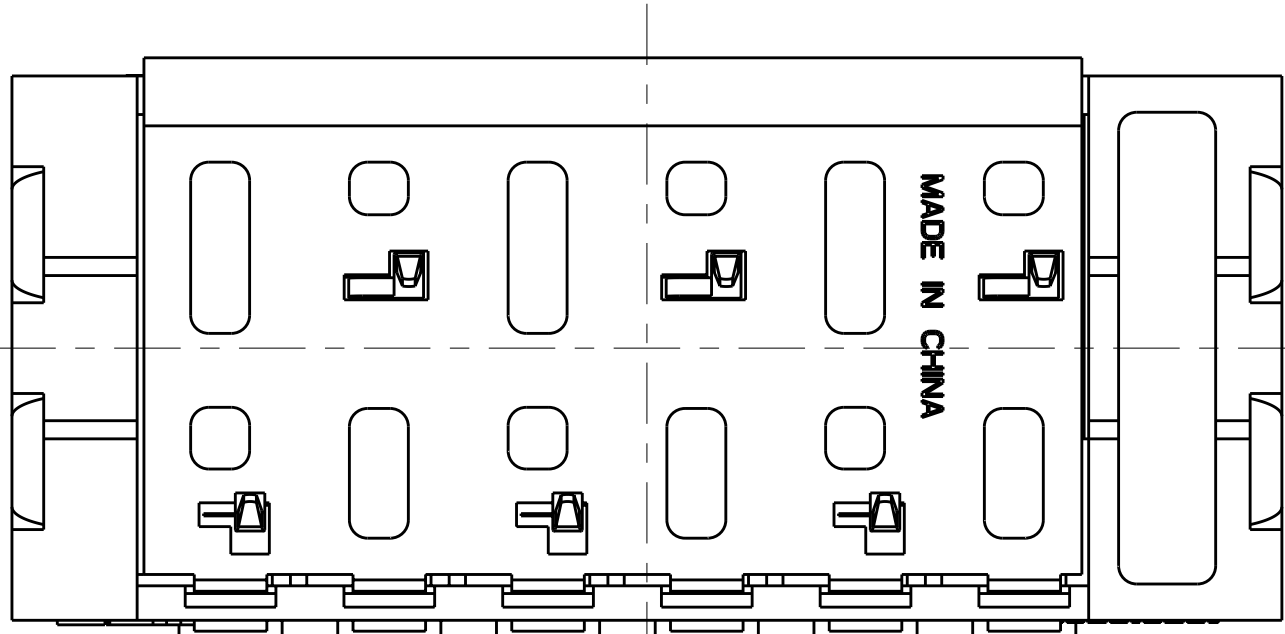


POSITION NO. 1  
IDENTIFICATION

COLOR CODED  
LABEL

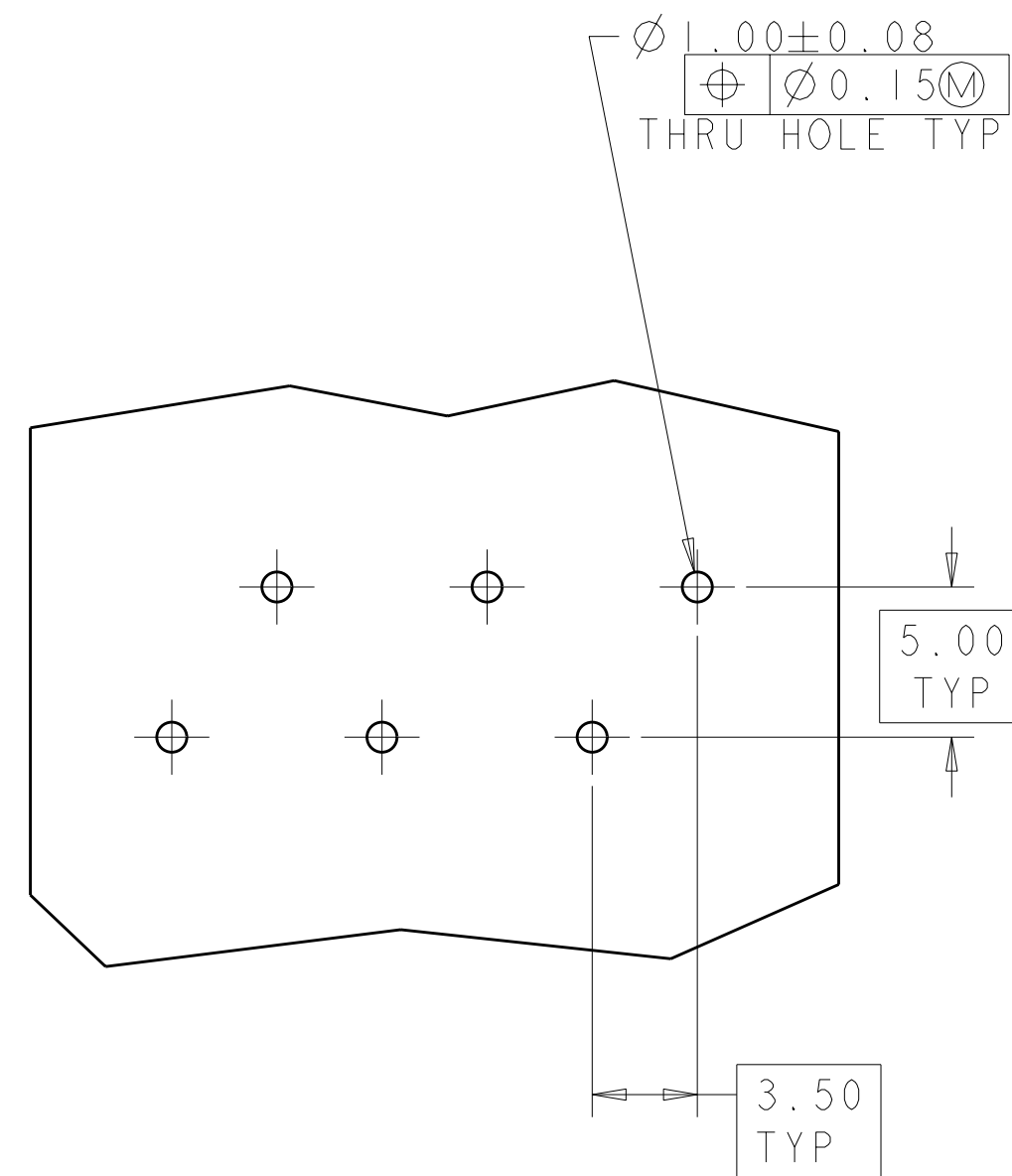
16.70  
2 PLC  
11.50  
3.00  
3.50 REF.  
5.25 REF  
1.75  
3.50  
TYP  
28.00

5.25 REF  
1.30 TYP  
12.00  
3.70 TYP

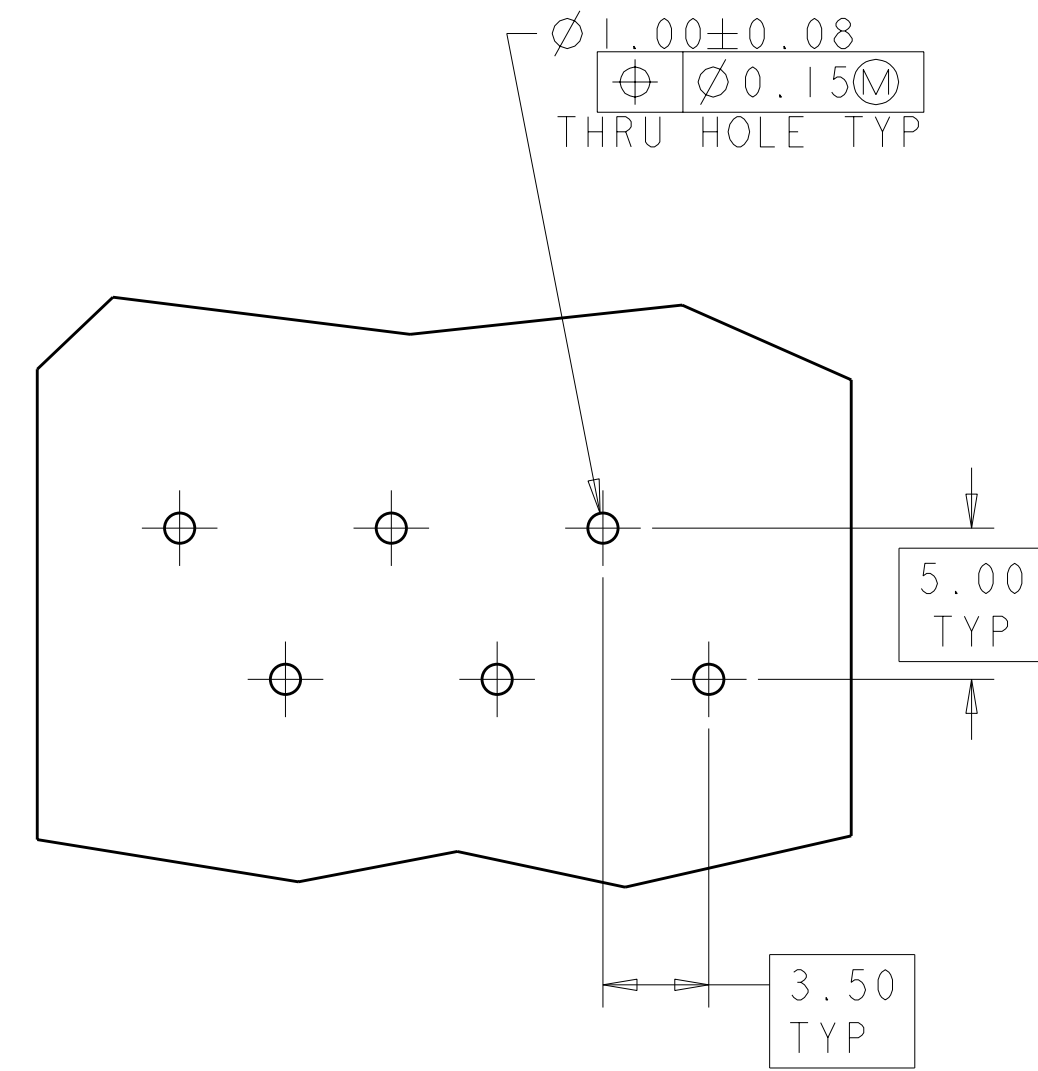


⚠ COLOR TEXT SHOWN FOR REFERENCE ONLY.  
POSITION 1 WILL HAVE NUMERAL 1 .  
SEE TABLE ON SHEET 2 FOR COLOR CODE.

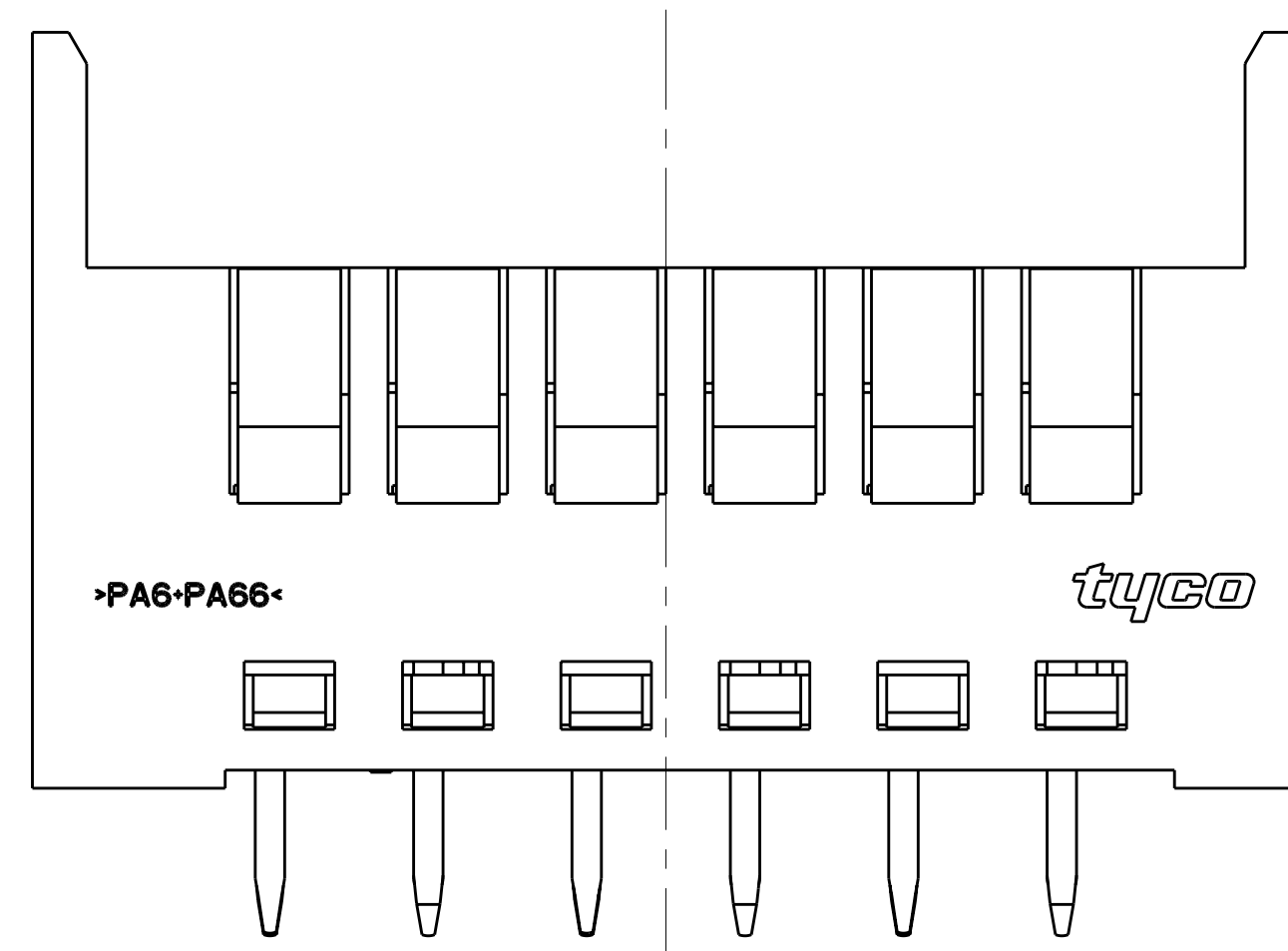
8. RoHS COMPLIANT.



5 PCB FOOTPRINT SCHEME A  
SCALE 4:1



5 PCB FOOTPRINT SCHEME B  
SCALE 4:1



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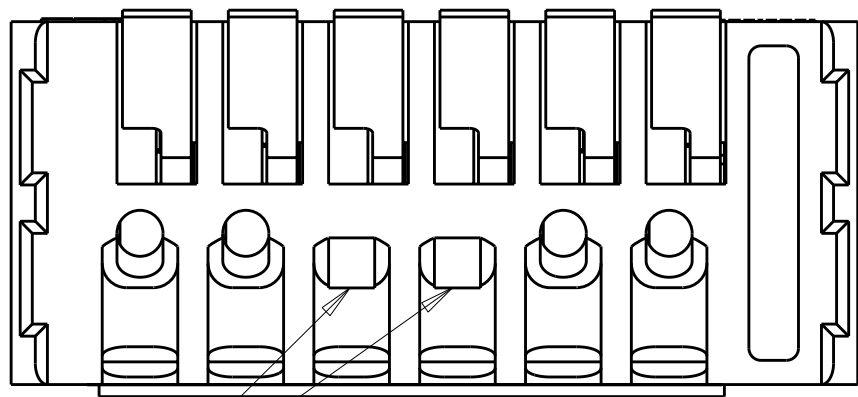
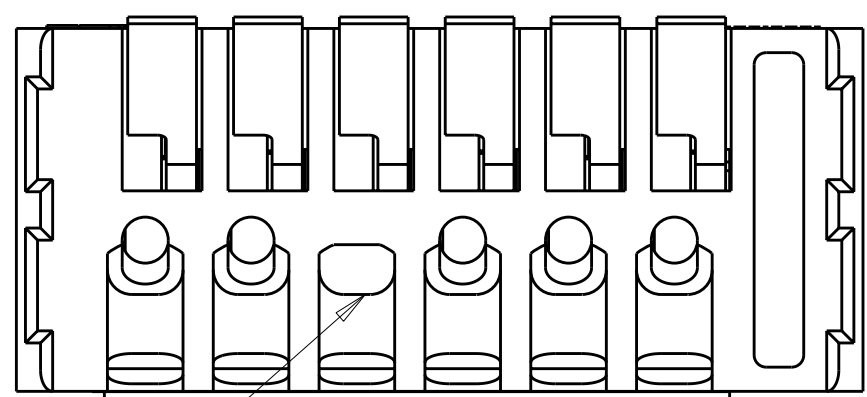
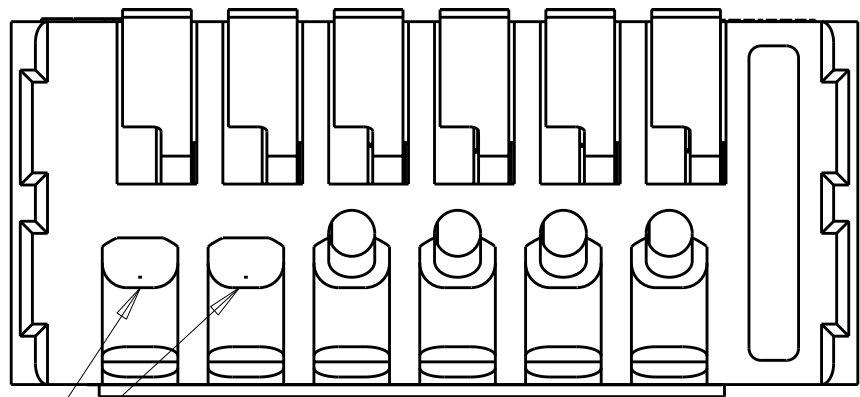
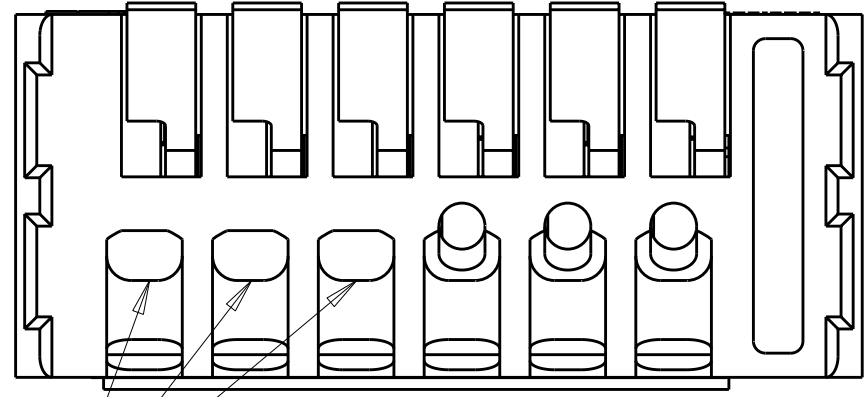
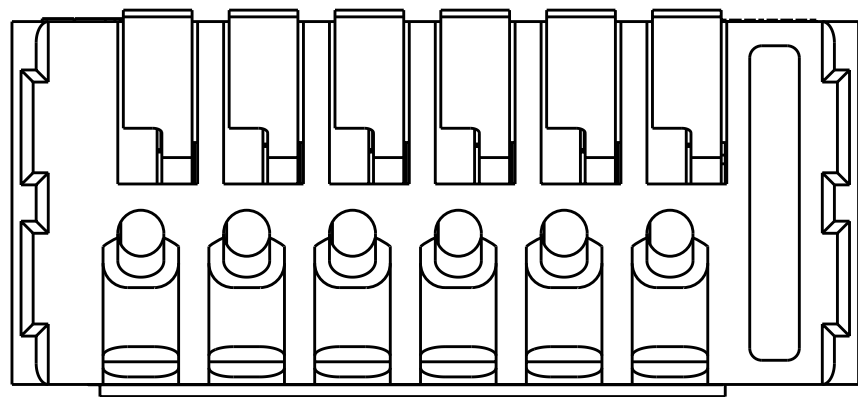
DESIGN IS SUBJECT TO  
CHANGE WITHOUT NOTICE

TYCO ELECTRONICS CORPORATION 1111 BROADVIEW AVENUE, SUITE 100, HARRISBURG, PA 17105-3608 TEL: 717/312-1000 FAX: 717/312-1001 WWW.TYCOELECTRONICS.COM		DWN C DAILY 02JUN05 CHK N DATE 02JUN05 APVD - NAME	Tyco Electronics Harrisburg, PA 17105-3608	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.13 3 PLC ± 4 PLC ± ANGLES ± FINISH -		PRODUCT SPEC APPLICATION SPEC
MATERIAL -		WEIGHT -		SIZE CAGE CODE DRAWING NO A1 00779 C=1877086
CUSTOMER DRAWING		RESTRICTED TO		SCALE 6:1 SHEET 1 OF 2 REV 2

1877086-8  
1877086-7  
1877086-6  
1877086-5  
1877086-4  
1877086-3  
1877086-2  
1877086-1

PART NO

LOC	DIST	REVISIONS			
		F	LYR	DESCRIPTION	DATE
-	-	-	-	SEE SHEET 1	-

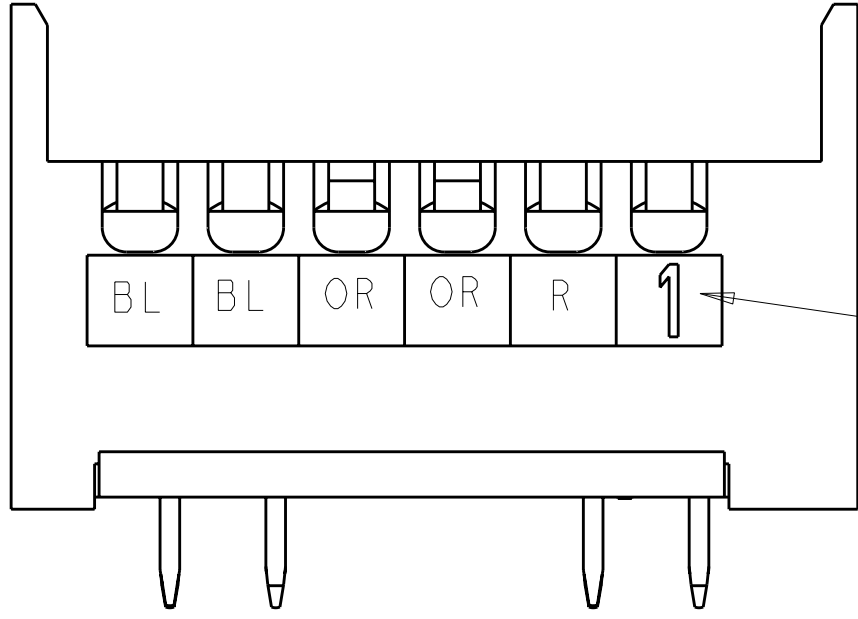
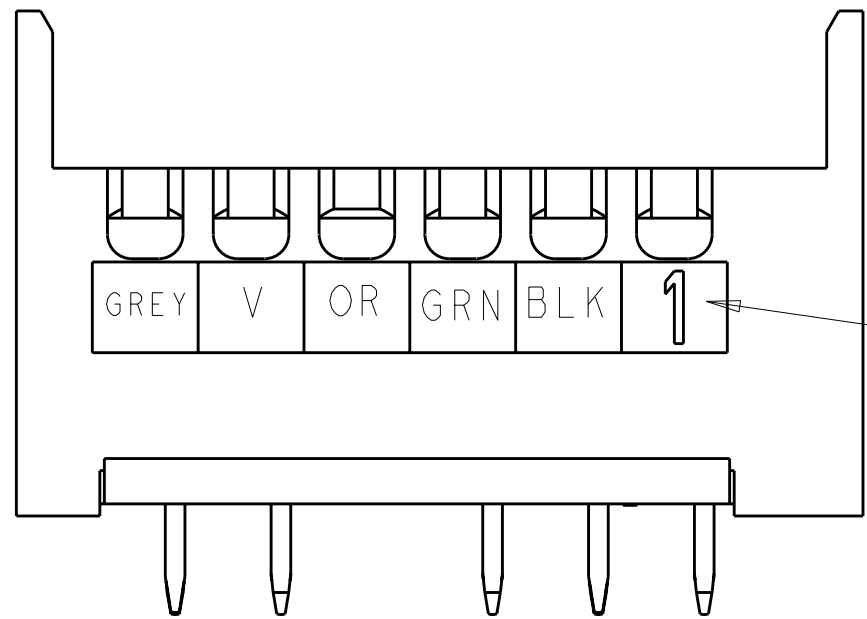
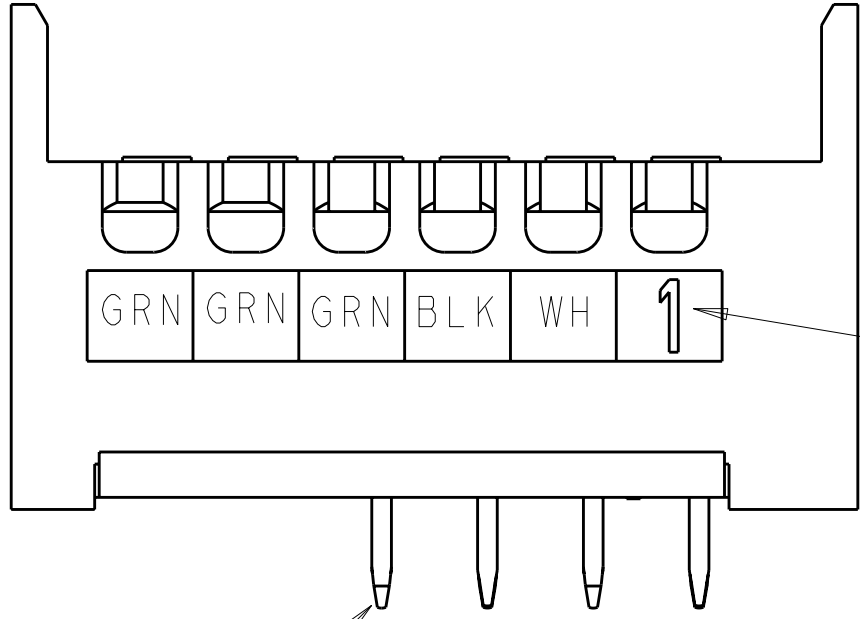
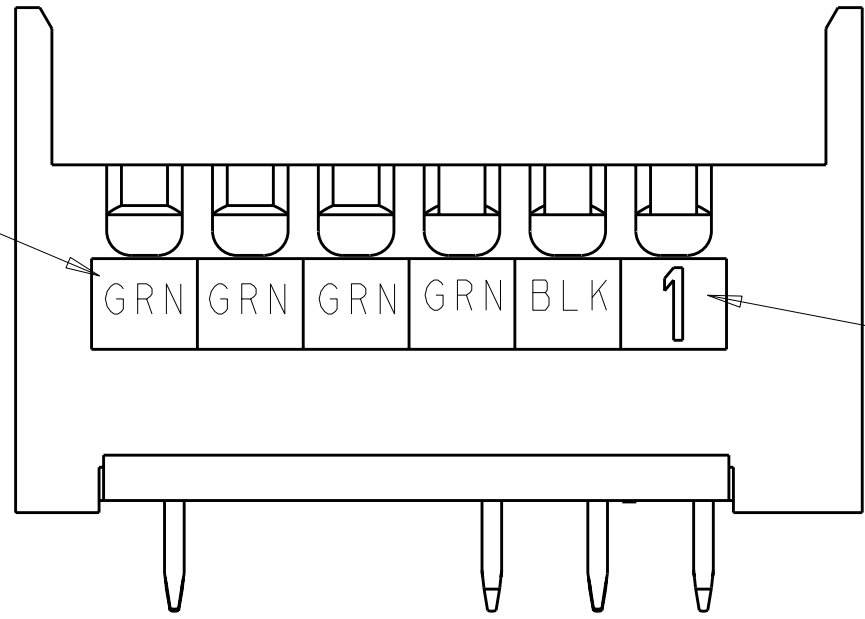
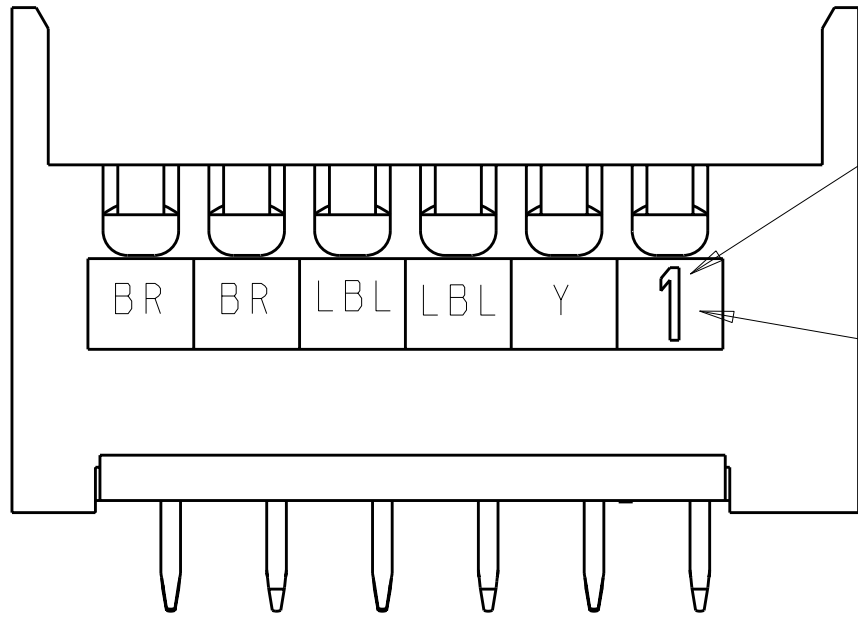


CLOSED WIRE  
ENTRANCES

CLOSED WIRE  
ENTRANCES

CLOSED WIRE  
ENTRANCE

CLOSED WIRE  
ENTRANCES



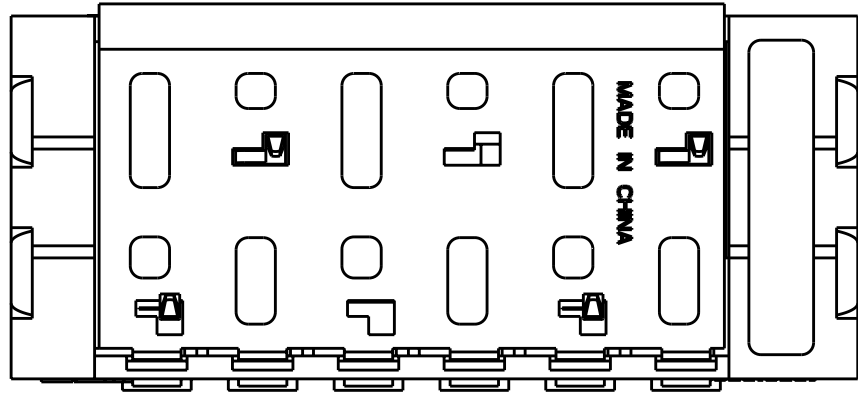
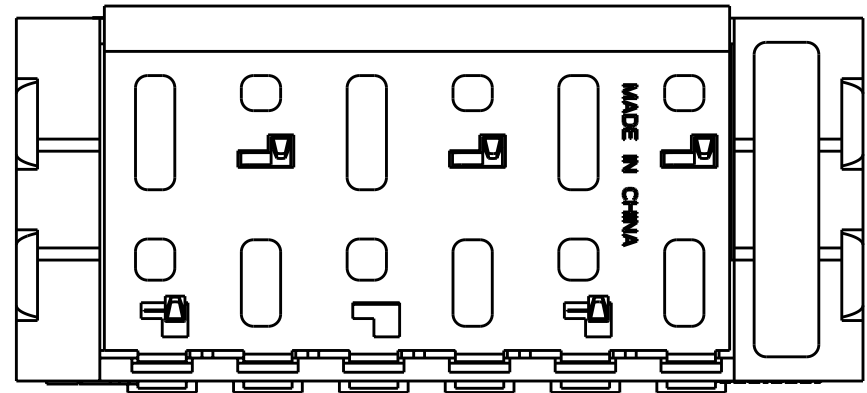
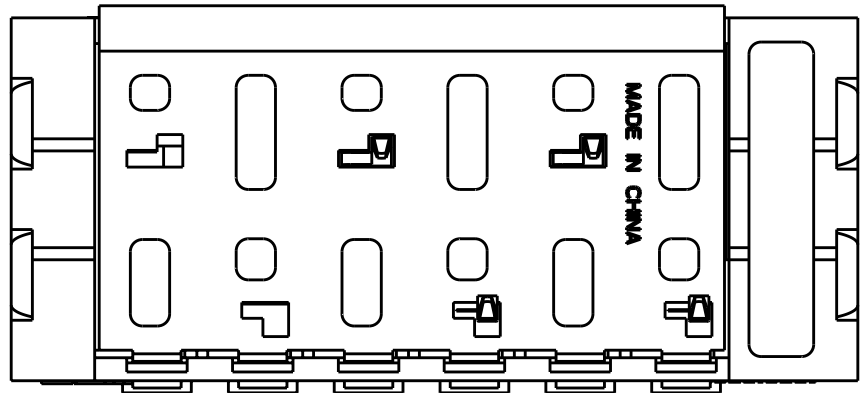
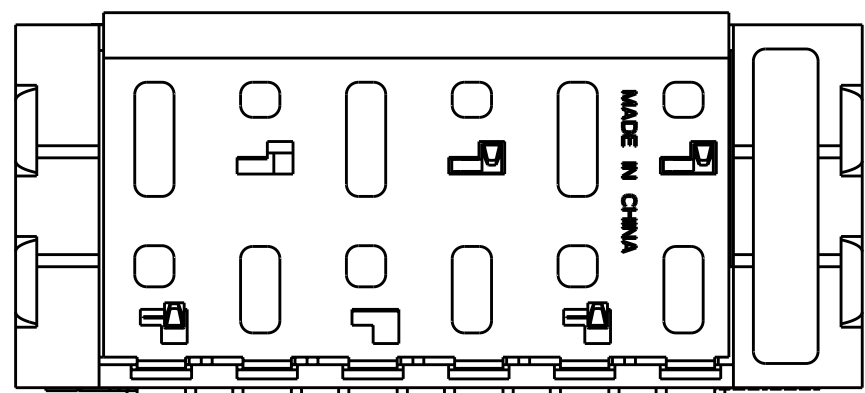
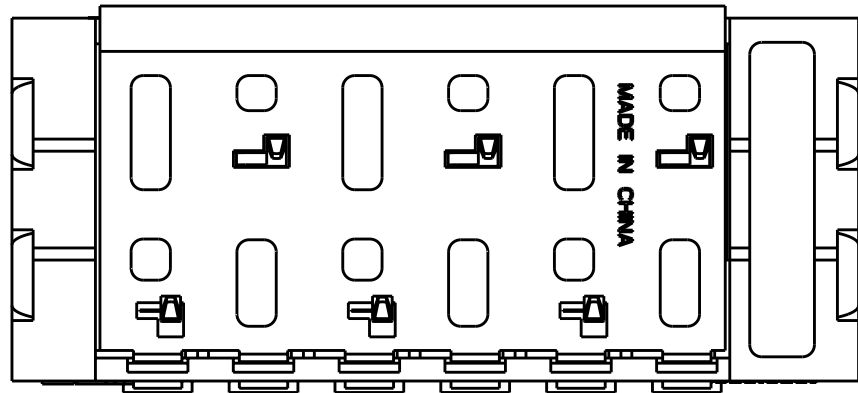
CONTACTS FULLY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED

CONTACTS  
SELECTIVELY  
LOADED



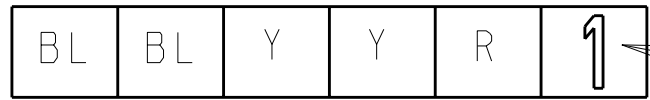
1877086-1  
USE PCB SCHEME B

1877086-4  
USE PCB SCHEME B

1877086-5  
USE PCB SCHEME A

1877086-7  
USE PCB SCHEME B

1877086-8  
USE PCB SCHEME B



1877086-2  
SAME AS 1877086-1,  
EXCEPT FOR LABEL,  
AS SHOWN



1877086-3  
SAME AS 1877086-1,  
EXCEPT FOR LABEL,  
AS SHOWN



1877086-6  
SAME AS 1877086-5,  
EXCEPT FOR LABEL,  
AS SHOWN

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BLUE	BLUE	ORANGE	ORANGE	RED	RED	1877086-8
GREY	VIOLET	ORANGE	GREEN	BLACK	WHITE	1877086-7
ORANGE	ORANGE	GREEN	BLACK	WHITE	GREY	1877086-6
GREEN	GREEN	GREEN	BLACK	WHITE	GREY	1877086-5
GREEN	GREEN	GREEN	GREEN	BLACK	WHITE	1877086-4
BLUE	BLUE	ORANGE	ORANGE	RED	RED	1877086-3
BLUE	BLUE	YELLOW	YELLOW	RED	RED	1877086-2
BROWN	BROWN	LT.BLUE	LT.BLUE	YELLOW	YELLOW	1877086-1
POSN NO 6 COLOR	POSN NO 5 COLOR	POSN NO 4 COLOR	POSN NO 3 COLOR	POSN NO 2 COLOR	POSN NO 1 COLOR	PART NO

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DIMENSIONS: mm		CHK N. PATEL 02JUN05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ± 2 PLC ±0.13 3 PLC ± 4 PLC ± ANGLES ± FINISH		APVD -	PRODUCT SPEC	
MATERIAL		-	APPLICATION SPEC	
-		-	WEIGHT	
-		-	CUSTOMER DRAWING	
-		-	SIZE CAGE CODE DRAWING NO	
-		-	A1 00779 C=1877086	
-		-	RESTRICTED TO	
-		-	SCALE 6:1 SHEET 2 OF 2 REV 2	

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[1877086-5](#) [1877086-2](#) [1877086-3](#)