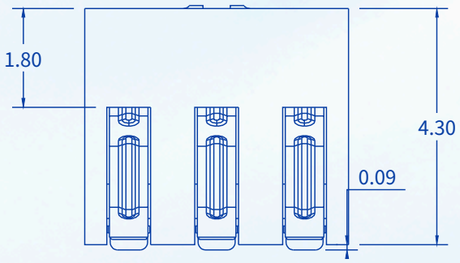
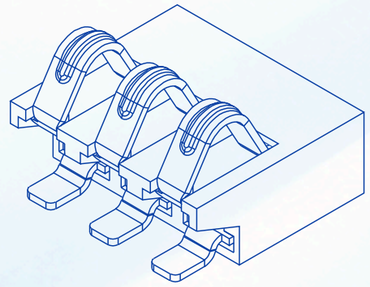
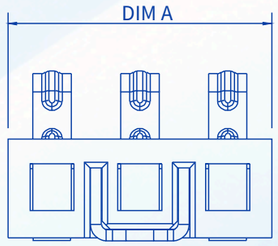
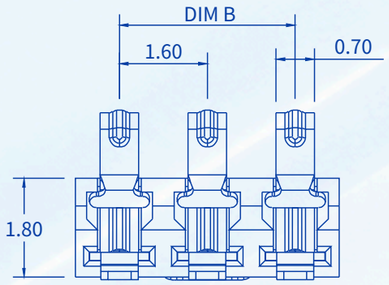
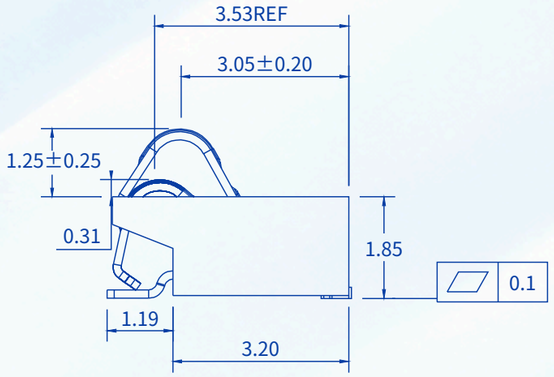
RoHS Compliant

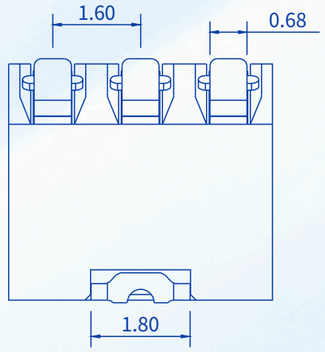


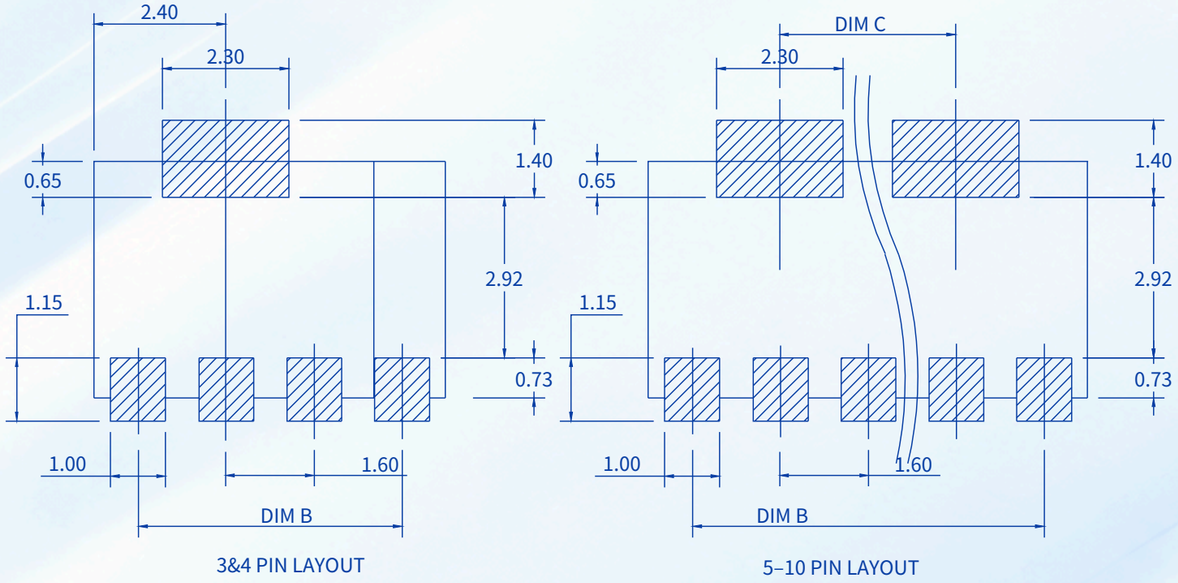












3&4 PIN LAYOUT

5–10 PIN LAYOUT

RECOMMENDED PCB LAYOUT

REVISION HISTORY

REV.	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
A0	INITIAL RELEASE	KANGSHENG		

MATERIAL / SPECIFICATION	
Current rating	2.0 A
Voltage rating	12 V
Dielectric withstand	500 V
Contact resistance	30mΩ MAX
Insulation resistance	500MΩ
Operating temperature	−40°C ~ +85°C
Housing material	LCP
Contact material	Phosphor bronze
Contact area plating	Gold 3 µin
Durability	3000 cycles MIN

DIMENSION			
PINS	DIM A	DIM B	DIM C
3	4.80	3.20	0
4	6.40	4.80	0
5	8.00	6.40	3.20
6	9.60	8.00	4.80
7	11.20	9.60	6.40
8	12.80	11.20	8.00
9	14.40	12.80	9.60
10	16.00	14.40	11.20

GENERAL TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
X.	±0.35
X.X	±0.25
X.XX	±0.15
X.XXX	±0.05
PCB	±0.05

PROJECTION

THIRD ANGLE PROJECTION

DRAWN BY	KANGSHENG
CHECKED BY	
APPROVED BY	

深圳市康生电子科技有限公司
Shenzhen Kangsheng Electronic Technology Co., Ltd.

PRODUCT NAME	1.6 mm Pitch 1.8 mm Height SMT Spring Contact Battery Connector (3–10 Pin) Top-Contact						
PART NO.	KS-BC160-03T-180-NN-01					REV.	A0
SCALE	NTS	UNIT	mm	SIZE	A3	SHEET	1/1