RoHS Compliant

Automobile Product

Specifications:

Material And Finish:

Insulator:LCP UL94V-0 Color:BLACK
Contact:High Conductivity Copper Alloy
Plated:See Ordering Informtaion

Rating:

Current Rating:
Signal Contact:4.5A AC,DC
Power Contact:130A Max
Voltage Rating:
Signal Module:125V AC,DC
Power module:125AC,125DC
Operating Temperature Range:-40°~+105°C

Electrical:

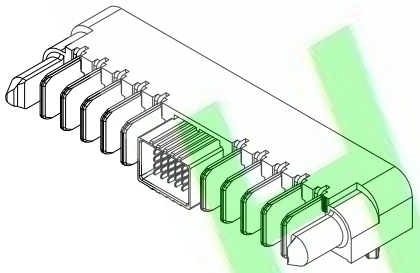
Contact resistance:
Signal Contact 10m Ohm Max
Power Contact 0.38m Ohm Max

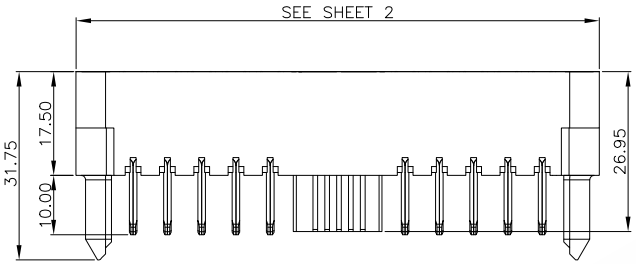
Insulator resistance:5000M ohm min
Withstanding Voltage:1500V AC/Minute

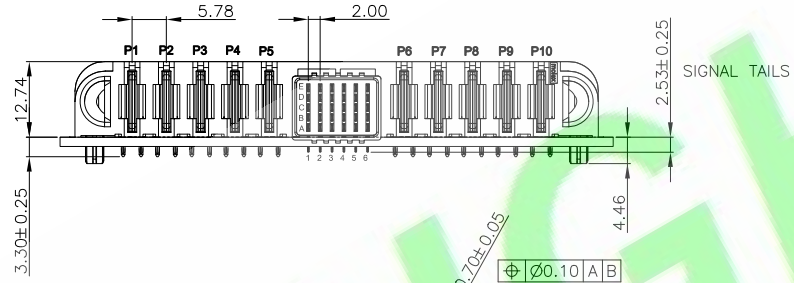
Ordering Information

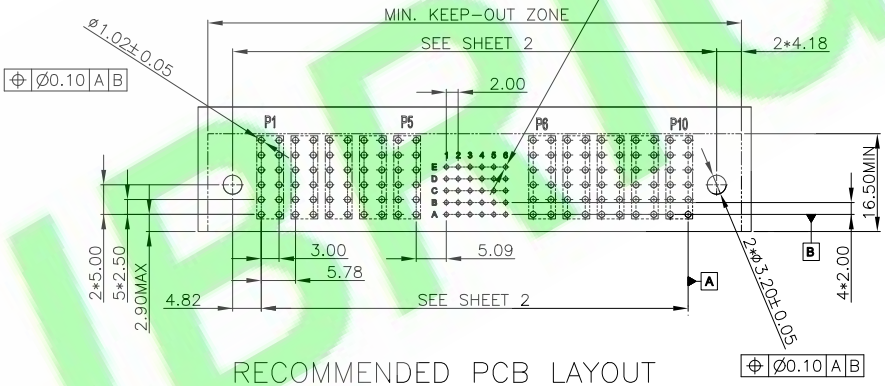
PM578020R-XXMY-03-C
1 2 3 4 5 6

1: —— Series No.
2: —— R:R/A Type
3: —— No. of Positions
4: —— M:Male
5: —— Y:30u"Gold on Contact;
Selective Tin on tail
6: —— C:In Tray

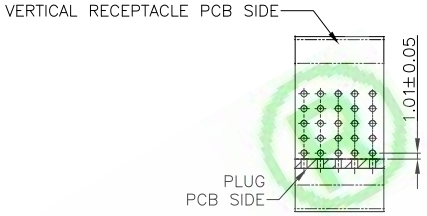




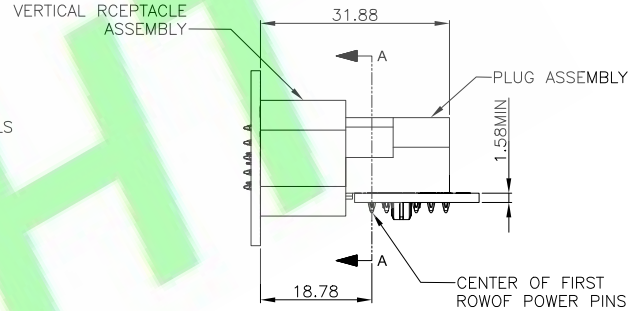




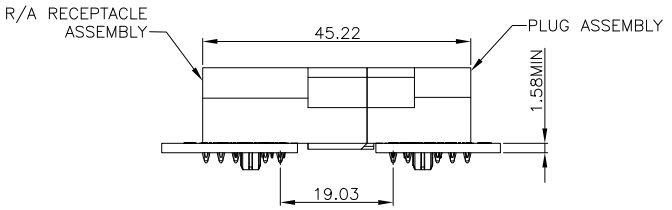
RECOMMENDED PCB LAYOUT
AND KEEP-OUT ZONE



SECTION A-A
(POWER CKTS ARE ALIGNED)



PLUG MATED TO VERTICAL RECEPTACLE
MATED PROFILE



PLUG MATED TO R/A RECEPTACLE
MATED PROFILE

DR.BY.: xiao	GENERAL TOLERANCE:		PART NO : PM578020R-XXMY-03-C
CHKD.: Hu.ch	LINEAR	ANGLES	DWG. NO.:
APPD.: Billy	X.: ±0.40	X°: ±5.0°	TITLE : Power Pin and Singnal Pin R/A Type assy-Ten60 Power Family
	X.X: ±0.30	X.X°: ±3.0°	DATE: 07-Dec-2024
	X.XX: ±0.25	X.XX°: ±2.0°	
	X.XXX: ±0.10	X.XXX°: ±1.0°	

HJBRIGHT® 東莞市華晶電子有限公司
BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/1
SCALE: 1:1
UNIT: mm
THIRD ANGLE PROJECTION

A4

REV.	DESCRIPTION	DR.BY	ECN. NO.
1X	ORIGINAL	xiao	

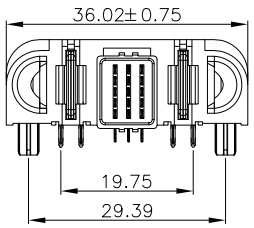
HJBRIGHT

SHEET 2

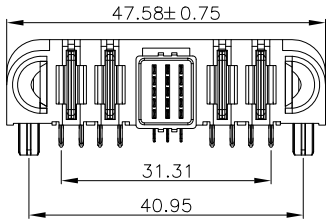
RoHS Compliant

Automobile Product

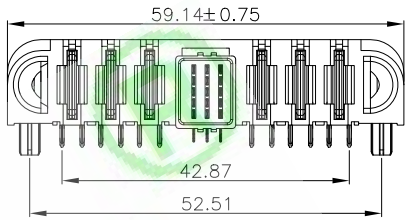
2PIN+15PIN



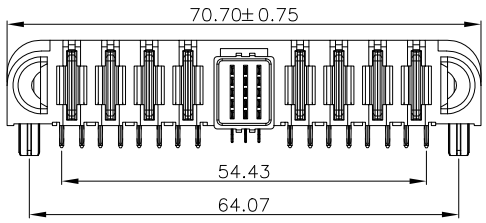
4PIN+15PIN



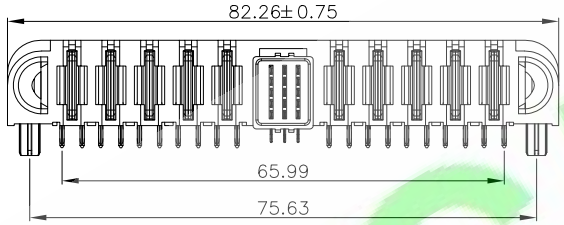
6PIN+15PIN



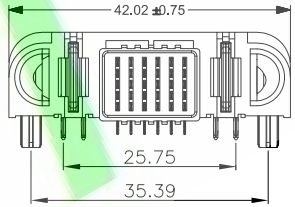
8PIN+15PIN



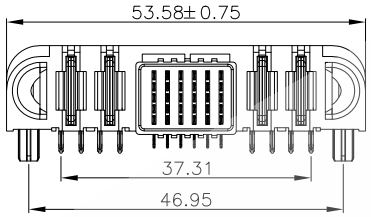
10PIN+15PIN



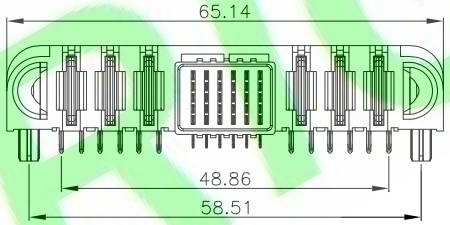
2PIN+30PIN



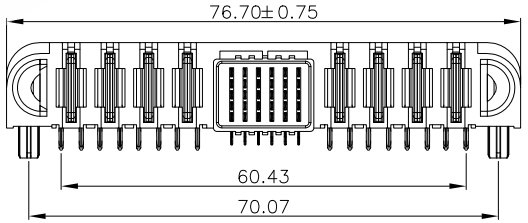
4PIN+30PIN



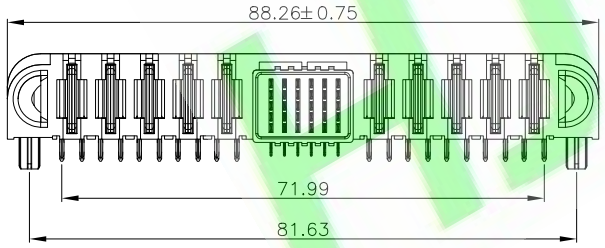
6PIN+30PIN



8PIN+30PIN



10PIN+30PIN



REV.	DESCRIPTION	DR.BY	ECN. NO.
1X	ORIGINAL	xiao	

DR.BY.: xiao

CHKD.: Hu.ch

APPD.: Billy

GENERAL TOLERANCE:

LINEAR		ANGLES	
X.:	±0.40	X°:	±5.0°
X.X:	±0.30	X.X°:	±3.0°
X.XX:	±0.25	X.XX°:	±2.0°
X.XXX:	±0.10	X.XXX°:	±1.0°

PART NO : PM578020R-XXMY-03-C

DWG. NO.:

TITLE : Power Pin and Singnal Pin R/A Type assy-Ten60 Power Family

DATE: 07-Dec-2024

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BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/1

SCALE: 1:1

UNIT: mm

THIRD ANGLE PROJECTION

A4

HJBRIGHT