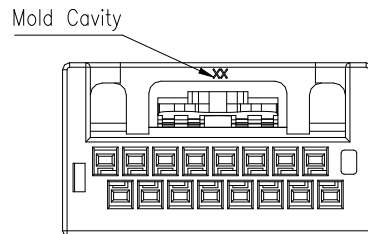
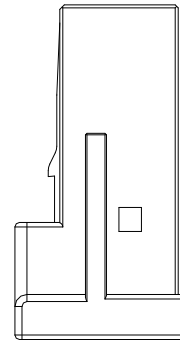
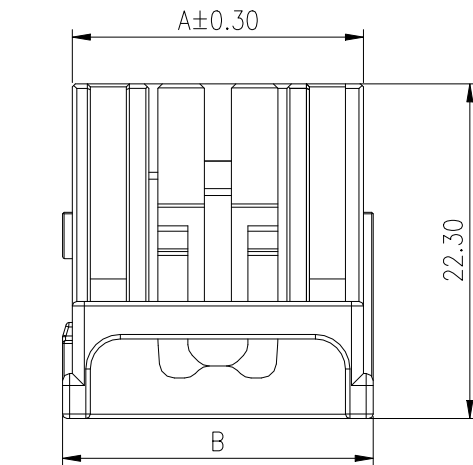
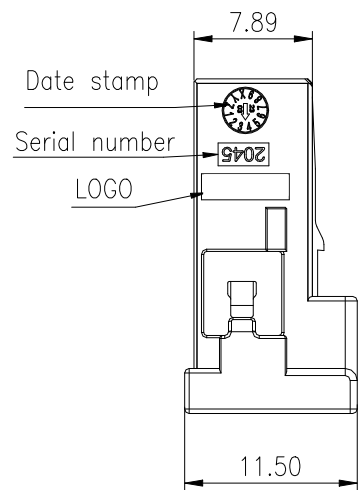
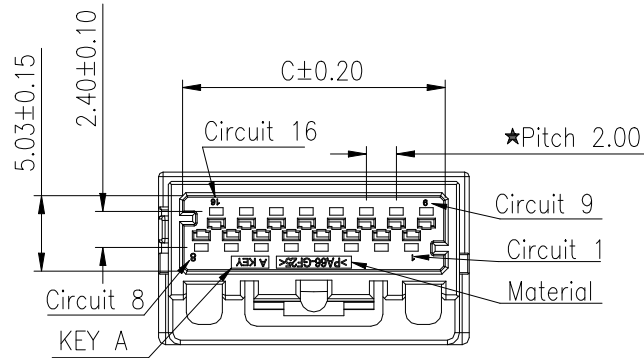


RoHS

This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



■ Specifications :

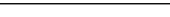
- Voltage rating: 60V AC/DC
- Current rating: 2A AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Mates With HRS terminal: HRS-2045TXM BSW1
- Mates With HRS Wafer: HRS-2045WRS 2*XXX 10TSW1XR
- Symbols for SPC dimensions: " ★ "
- Product Specification: PS-HRS-2045-01
- Packaging: see HRS drawing PK-HRS-2045HM 2*XXX-N0XX

HRS-2045 H M-2*XX X -N0 XX
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series No.:HRS-2045
- ② Category:H-HSG
- ③ Connector Type:M-Male
- ④ Row No.-Pin No.:2*XX-Double Row-2*06~2*12Pin
- ⑤ Key code: A-Key A , B-Key B
- ⑥ Plastic Material:N0-PA66 UL94V-0
- ⑦ Color:BK-Black,GY-Gray

DIM. PIN NO.	A	B	C
2*06	15.40	17.50	16.70
2*08	19.40	21.50	20.70
2*10	23.40	25.50	24.70
2*12	27.40	29.50	28.70

A

						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2045HM-2*XXX-NOXX										
						.X ±0.35															
						20240222	X1	/	version upgrade	Zee Wang	Jack Zhang	.XX ±0.25	APPROVAL	CHECK	DRAWN	DATE	TITLE 0.5mm Size, 2mm Pitch, Board Connector Housing				
						20230224	X0	/	Initial release	Zee Wang	Jack Zhang	.XXX±0.15									
						X.* ±2"	PROJECT	Jack Zhang	Joshua Liu	Zee Wang	2023/02/24	UNIT	SCALE	SHEET	REV	NUMBER					
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	 mm						1:1	1/1	X1	CD						



						GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2045HM-2*XXX-N0XX				
20240222	X1	/	version upgrade	Zee Wang	Jack Zhang	.X ±0.35					APPROVAL				TITLE 0.5mm Size, 2mm Pitch, Board Connector Housing
20230224	X0	/	Initial release	Zee Wang	Jack Zhang	.XX ±0.25									
						.XXX±0.15	APPROVAL				UNIT				
						X: ±2"									
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL		Jack Zhang	Joshua Liu	Zee Wang	2023/02/24	mm	1:1	1/1	X1	CD

F

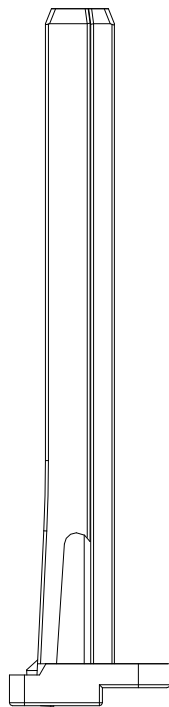
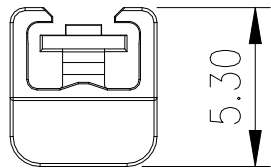
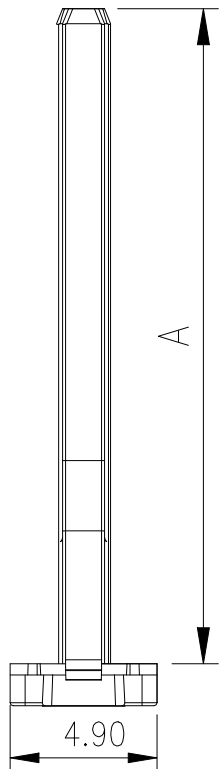
E

D

C

B

A



■ Specifications :

- Voltage rating: 60V AC/DC
- Current rating: 2A AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: ≥100MΩ
- Contact resistance: ≤10mΩ
- After environmental testing: ≤20mΩ
- Mates With HRS Housing: HRS- 2045HM 2*XXX-N0XX
- Product Specification: PS- HRS- 2045-01
- Packaging: see HRS drawing PK-HRS-2045C-2*XX N0BK

HRS- 2045 C-2*XX -N0 BK
① ② ③ ④ ⑤

- ① Series No.: HRS- 2045
- ② Category:C-TPA
- ③ Row No.-Pin No.:2*XX-Double Row-2*06~2*12Pin
- ④ Plastic Material:N0-PA66 UL94V-0
- ⑤ Color:BK-Black

DIM. PIN NO.	A
2*06	13.85
2*08	17.85
2*10	21.85
2*12	25.85

F

E

D

C

B

A

						GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2045C-2*XX-N0BK				
						.X ±0.35						TITLE 0.5mm Size, 2mm Pitch, Board Connector TPA				
						.XX ±0.25										
						.XXX±0.15										
20240124	X1	/	version upgrade	Zee Wang	Jack Zhang	X: ±Z		APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
20230224	X0	/	Initial release	Zee Wang	Jack Zhang	PROJECT						mm	1:1	1/1	X1	CD
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL			Jack Zhang	Joshua Liu	Zee Wang	2023/02/24					
1		2		3		4		5		6		7		8		

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules

■ Specifications :

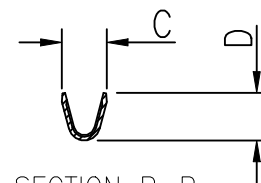
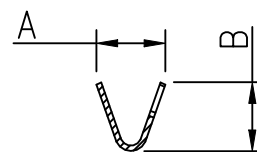
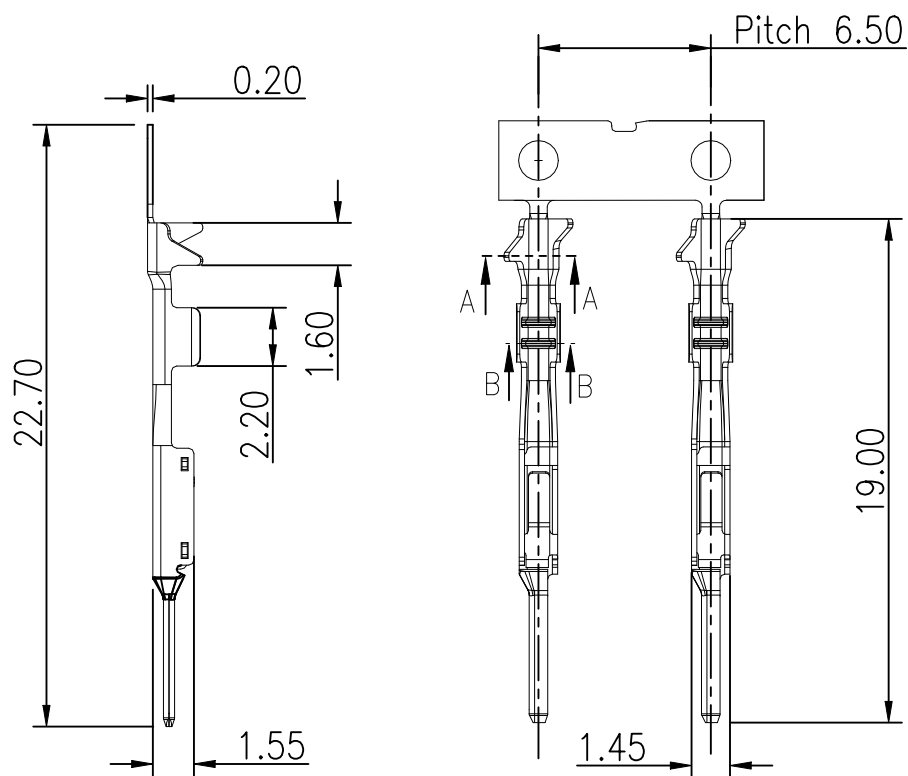
- Voltage rating: 60V AC/DC
- Current rating: 2A Max. AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: $\geq 100M\Omega$
- Contact resistance: $\leq 10m\Omega$
- After environmental testing: $\leq 20m\Omega$
- Mates With HRS Housing: **HRS-2045HM-2*XXX-N0XX**
- Product Specification: PS-HRS-2045-01
- Packaging: see HRS drawing **PK-HRS-2045TXM-BSW1**

HRS-2045 I X M-B SW1

① ② ③ ④ ⑤ ⑥

- ① Series No.:HRS-2045
- ② Category:T-Terminal
- ③ Appearance type:Blank-Ordinary; L-Low feet
- ④ Connector Type:M-Male
- ⑤ Material: B-Brass
- ⑥ Plating Code: SW1-Matte Tin

Underplate:Ni 40~120u"(1~3um) overall
Top Plating:Sn 80~200u"(2~5um) overall



HRS-2045TM-BSW1	Brass	AWG#22~24 (0.22~0.35mm ²)	Ø1.40mm Max	2.60	2.60	1.70	1.80
HRS-2045TLM-BSW1		AWG#26~28 (0.08~0.13mm ²)	Ø1.20mm Max	2.60	2.10	1.60	1.70
P/N	Material	Wire	insulation O.D.	DIM A	DIM B	DIM C	DIM D

20230928	X1	/	version upgrade	Zee Wang	Jack Zhang
20230224	X0	/	Initial release	Zee Wang	Jack Zhang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE	
.X	±0.35
.XX	±0.25
.XXX	±0.15
X:	±2°
PROJECT	



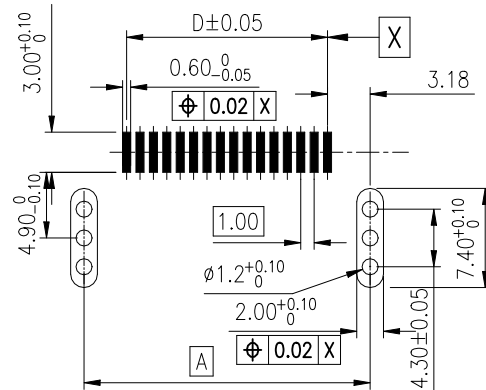
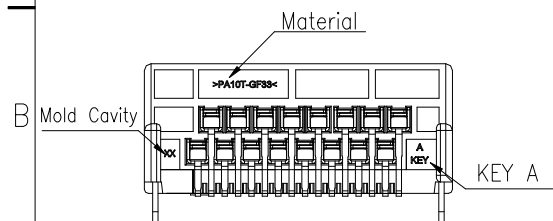
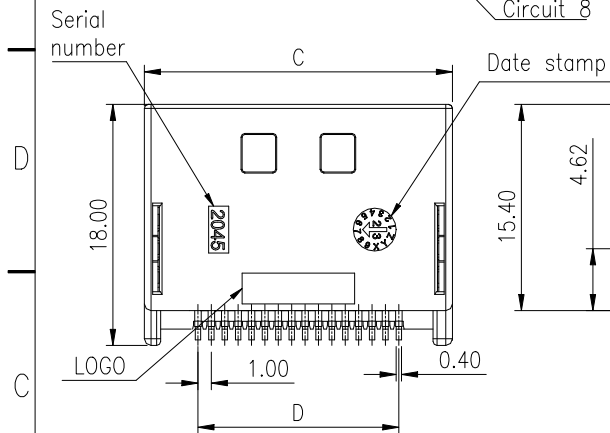
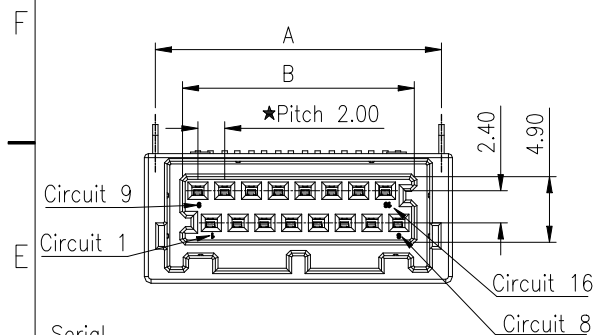
Horus Int. Electronics. Co., LTD.
Horustech Electronics. Co., LTD.

APPROVAL	CHECK	DRAWN	DATE
Jack Zhang	Joshua Liu	Zee Wang	2023/02/24

PART NO. HRS-2045TXM-BSW1				
TITLE 0.5mm Size, 2mm Pitch, Board Connector Terminal				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	X1	CD

RoHS

This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules



Recommended P.C.B LAYOUT
General Tolerance±0.05

■ Specifications :

- Voltage rating: 60V AC/DC
- Current rating: 2A AC/DC
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125°C
- Insulation resistance: >100M Ω
- Contact resistance: <10m Ω
- After environmental testing: <20m Ω
- Material(Pin): Copper alloy
- Mates With HRS Housing:HRS-2045HM 2*XXX-N0XX
- Symbols for SPC dimensions:" ★ "
- Product Specification: PS-HRS-2045-01
- Packaging: see HRS drawing:

PK-HRS-2045WRS 2*XXXX-10TSW1XR

HRS-2045 W R S-2*XX X X-10T SW1 X R
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

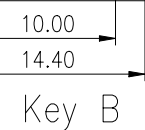
- ① Series No.: HRS-2045
- ② Category:W-Wafer
- ③ Connector Type:R-Right Angle 90°
- ④ Mounting Type:S-SMT
- ⑤ Row No.-Pin No.:2*XX-Double Row-2*06~2*12Pin
- ⑥ Key code: A-Key A , B-Key B
- ⑦ Special code:blank-E:1.10; L-E:1.96
- ⑧ Plastic Material:10T-PA10T UL94V-0
Plating Code:SW1-Matte Tin
Underplate:Ni 40~120u"(1~3um) overall
- ⑨ Top Plating:Sn 80~200u"(2~5um) overall
- ⑩ Color:B-Black,G-Gray
- ⑪ Packing:R-Reel

DIM. PIN NO.	A	B	C	D
2*06	17.36	13.30	19.00	11.00
2*08	21.36	17.30	23.00	15.00
2*10	25.36	21.30	27.00	19.00
2*12	29.36	25.30	31.00	23.00

PART NO.	E
HRS-2045WRS-2*XX-10TSW1XR	1.10
HRS-2045WRS-2*XXL-10TSW1XR	1.96

A	20240309	X2	EN20240309001	New specifications added	Zee Wang	Jack Zhang	GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X: ±2" Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.				PART NO. HRS-2045WRS-2*XXXX-10TSW1XR					
	20240221	X1	/	version upgrade	Zee Wang	Jack Zhang					TITLE 0.5mm Size, 2mm Pitch, Board Connector WF					
	20230224	X0	/	Initial release	Zee Wang	Jack Zhang					UNIT SCALE SHEET REV NUMBER					
	DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
									Jack Zhang	Joshua Liu	Zee Wang	2023/02/24	mm	1:1	1/1	X2
	1		2		3		4		5		6		7		8	

This products can apply to the HRS Doc NO. QA-3-04-005
of Environmental&Material Management Rules



20240309	X2	EN20240309001	New specifications added	Zee Wang	Jack Zhang	GENERAL TOLERANCE	Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-2045WRS-2*XXXX-10TSW1XR				
20240221	X1	/	version upgrade	Zee Wang	Jack Zhang	.X ±0.35					TITLE 0.5mm Size, 2mm Pitch, Board Connector WF				
20230224	X0	/	Initial release	Zee Wang	Zhonghua Liu	.XX ±0.25									
						.XXX±0.15	APPROVAL	CHECK	DRAWN	DATE	UNIT	SCALE	SHEET	REV	NUMBER
						X: ±2"					mm	1:1	1/1	X2	CD
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL	PROJECT 	Jack Zhang	Joshua Liu	Zee Wang	2023/02/24					



Horus Int. Electronics. Co., LTD.
HorusTech Electronics. Co., LTD.

PART NO.	HRS-2045WRS-2*XXXX-10TSW1XR
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9.	TITLE	0.5mm Size, 2mm Pitch, Board Connector WF
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	UNIT	SCALE	SHEET	REV	NUMBER
4	mm	1:1	1/1	X2	CD