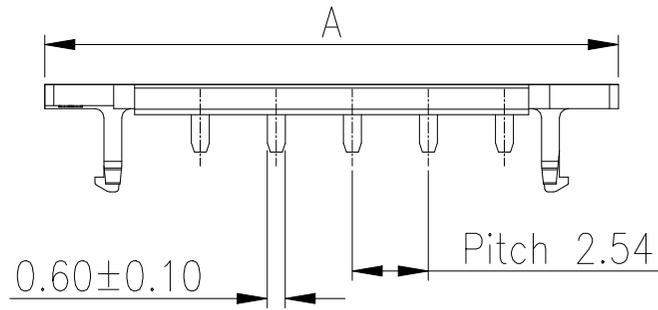


RoHS

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

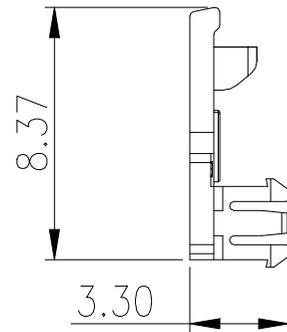
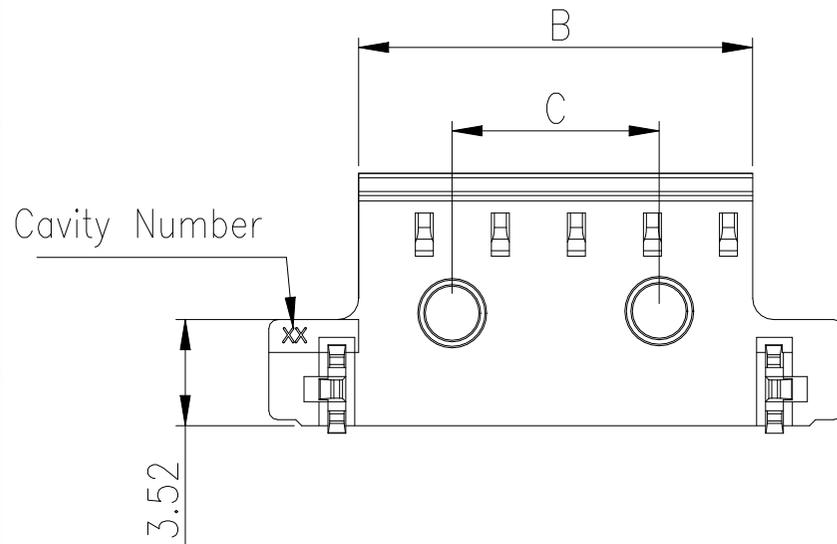


■ Specifications :

- Voltage rating: 500 V AC/DC
- Current rating: 12A Max. AC/DC;
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125C
- Insulation resistance: ≥1000MΩ
- Contact resistance: <20mΩ
- Mates With HRS HSG:HRS-2554A-2\*XXX-NOXX/HRS-2554A XXX-NOXX
- Product Specification: PS- HRS-2554-01
- Packaging: see HRS drawing PK-HRS-T2554

HRS-I 2554- XX A-NO XX  
 ① ② ③ ④ ⑤ ⑥

- ① Category: TPA
- ② Series No.: HRS -2554
- ③ Row No.-Pin No.: XX-Single Row XXPin
- ④ Special code: A
- ⑤ Plastic Material: NO-PA66 UL94V-0
- ⑥ Color: BK-Black; BL-Blue; GR-Green; RE-red



Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	A	B	C		A	B	C
2	11.54	5.54	2.54	16	47.10	41.10	34.86
3	14.08	8.08	3.70	17	49.64	43.64	37.40
4	16.62	10.62	4.38	18	52.18	46.18	39.94
5	19.16	13.16	6.92	19	54.72	48.72	42.48
6	21.70	15.70	9.46	20	57.26	51.26	45.02
7	24.24	24.24	12.00	21	59.80	53.80	47.56
8	26.78	20.78	14.54	22	62.34	56.34	50.10
9	29.32	23.32	17.08	23	64.88	58.88	52.64
10	31.86	25.86	19.62	24	67.42	61.42	55.18
11	34.40	28.40	22.16	25	69.96	63.96	57.72
12	36.94	30.94	24.70	26	72.50	66.50	60.26
13	39.48	33.48	27.24	27	75.04	69.04	62.80
14	42.02	36.02	29.78	28	77.58	71.58	65.34
15	44.56	38.56	32.32				

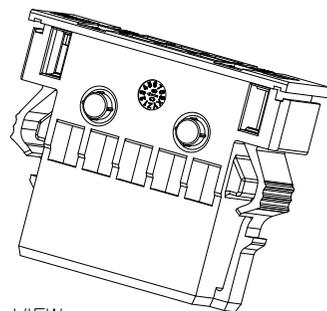
					GENERAL TOLERANCE .X ±0.35 .XX ±0.25 .XXX±0.15 X.' ±2'				Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.				PART NO. HRS-T2554-XXA-NOXX				
					PROJECT 				APPROVAL    CHECK    DRAWN    DATE				TITLE 2.54mm PITCH TPA				
20240118	X0	/	Initial release	/	Jack Zhang	Jack Zhang	Larry Yang	Zee.Wang	2024/01/16	mm	2:1	1/1	X0	CD			
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL					UNIT	SCALE	SHEET	REV	NUMBER			

RoHS

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

■ Specifications :

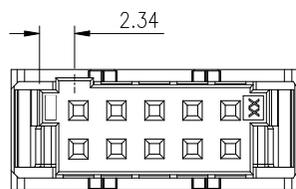
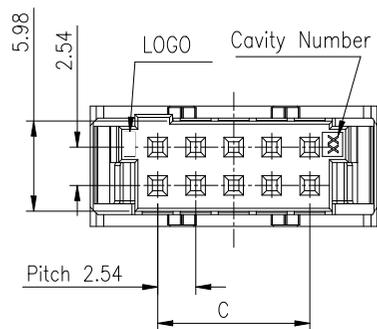
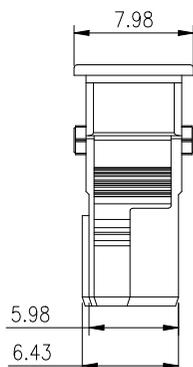
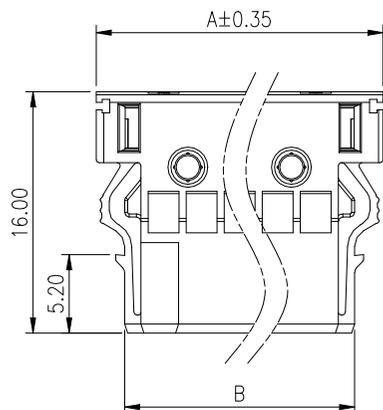
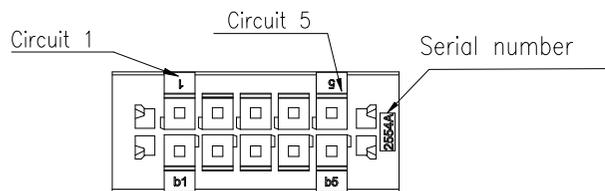
- Voltage rating: 500 V AC/DC
- Current rating: 12A Max. AC/DC;
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125C
- Insulation resistance: ≥1000MΩ
- Contact resistance: <20mΩ
- Mates With HRS Terminal:HRS-2554TX IIGW01 A
- Mates With HRS Wafer:HRS-2554WVS 2\*XXX&HRS-2554WRS-2\*XXX
- Mates With HRS Wafer:HRS-T2554 XXA-N0XX
- Product Specification: PS-HRS-2554-01
- Packaging: see HRS drawing PK-HRS-2554A



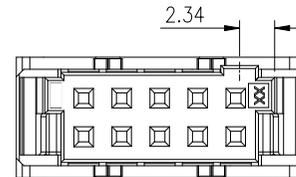
3D VIEW

HRS-2554 A- 2\*XX X-N0 XX  
 ① ② ③ ④ ⑤ ⑥

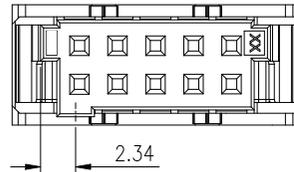
- ① Series No.:HRS-2554
- ② Category: A-HSG finished products of secondary lock catch
- ③ Row No.-Pin No.: 2\*XX-Double Row 2\*XXPin
- ④ Key code: A-Key A , B-Key B C-Key C , D-Key D
- ⑤ Plastic Material: N0-PA66 UL94V-0
- ⑥ Color: BK-Black; BL-Blue; GR-Green; RE-red



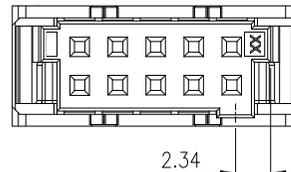
Key A



Key B



Key C



Key D

Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	A	B	C		A	B	C
2*2	11.54	7.74	2.54	2*16	47.10	43.30	38.10
2*3	14.08	10.28	5.08	2*17	49.64	45.84	40.64
2*4	16.62	12.82	7.62	2*18	52.18	48.38	43.18
2*5	19.16	15.36	10.16	2*19	54.72	50.92	45.72
2*6	21.70	17.90	12.70	2*20	57.26	53.46	48.26
2*7	24.24	20.44	15.24	2*21	59.80	56.00	50.80
2*8	26.78	22.98	17.78	2*22	62.34	58.54	53.34
2*9	29.32	25.52	20.32	2*23	64.88	61.08	55.88
2*10	31.86	28.06	22.86	2*24	67.42	63.62	58.42
2*11	34.40	30.60	25.40	2*25	69.96	66.16	60.96
2*12	36.94	33.14	27.94	2*26	72.50	68.70	63.50
2*13	39.48	35.68	30.48	2*27	75.04	71.24	66.04
2*14	42.02	38.22	33.02	2*28	77.58	73.78	68.58
2*15	44.56	40.76	35.56				

20240118	X2	EN20240115004	version upgrade	Zee.Wang	Jack Zhang
20231129	X1	/	version upgrade	Zee.Wang	Jack Zhang
20230330	X0	/	Initial release	/	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

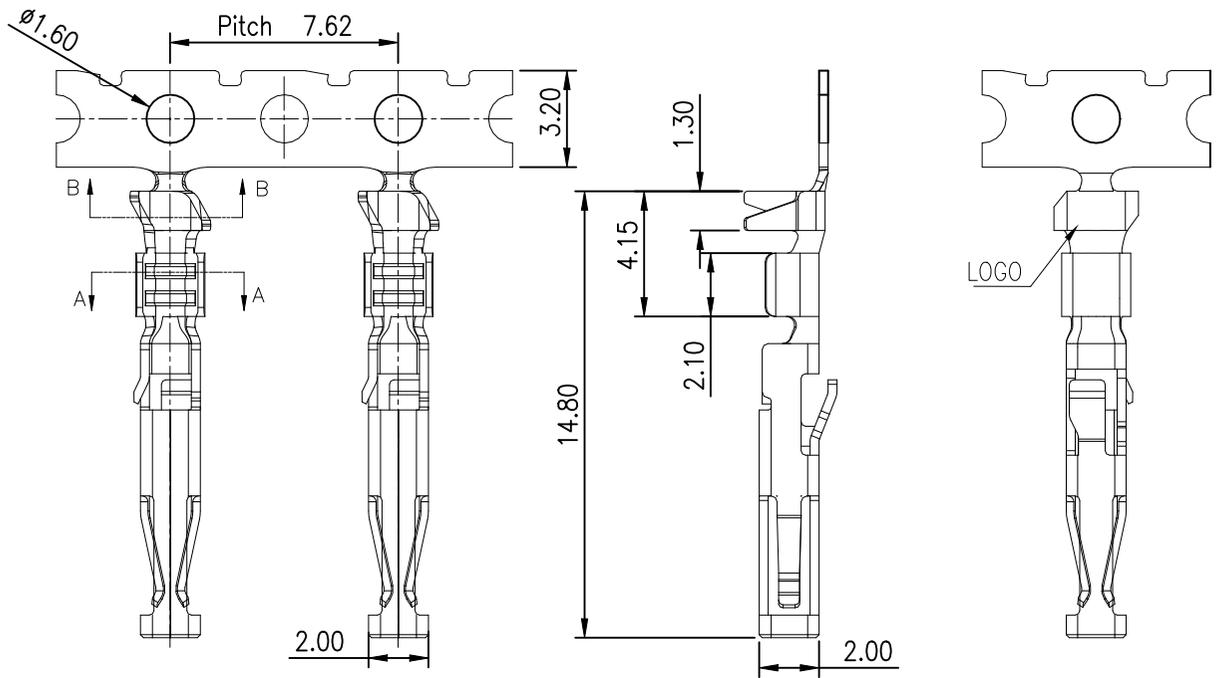
GENERAL TOLERANCE	
.X	±0.35
.XX	±0.25
.XXX	±0.15
X.' ±2'	
PROJECT	

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

APPROVAL: Jack Zhang  
 CHECK: Larry Yang  
 DRAWN: Zee.Wang  
 DATE: 2023/03/30

PART NO. HRS-2554A-2*XXX-N0XX				
TITLE Pitch 2.54mm WTB CONN				
UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	X2	CD

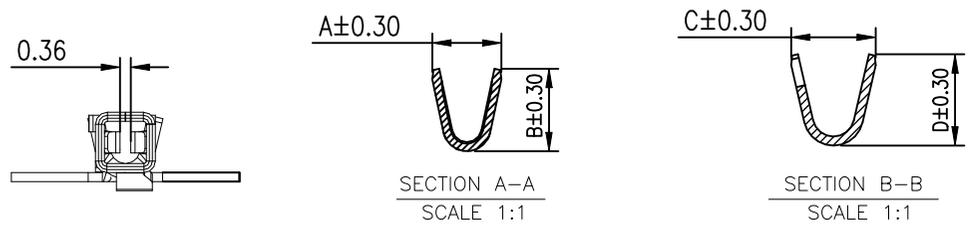
RoHS This products can apply to the HRS Doc NO. QA-3-04-005 of Environmental&Material Management Rules



- Specifications :
- Voltage rating: 500 V Max. AC/DC
  - Current rating: 12A Max. AC/DC MAX;
  - Withstanding voltage: 1000V AC/minute
  - Temperature range: -40°C~+125C
  - Insulation resistance: ≥1000MΩ
  - Contact resistance: <20mΩ
  - Mates With HRS Housing: HRS-2554A
  - Product Specification: PS-HRS-2554-01
  - Packaging: see HRS drawing PK-HRS-2554T

HRS-2554 T X - H GW01 - A  
 ① ② ③ ④ ⑤ ⑥

- ① Series No.
- ② Category: T-Terminal
- ③ Appearance type:  
Blank-Ordinary; H-High feet; L-Low feet
- ④ Material: H-Copper Alloy
- ⑤ Plating Process: GW01-Contact area:Gold Flash;  
Underplate:Ni 40~120u”(1~3um);  
Top Plating:Sn 80~200u”(2~5um)
- ⑥ Special code: A



HRS-2554TH-HGW01-A	Copper Alloy	AWG#18 (0.85mm <sup>2</sup> )	Ø1.80mm MAX	2.70	3.00	2.95	2.95
HRS-2554T-HGW01-A		AWG#20~22 (0.35~0.50mm <sup>2</sup> )	Ø1.60mm MAX	2.50	2.45	2.50	2.70
HRS-2554TL-HGW01-A		AWG#24~26 (0.15~0.22mm <sup>2</sup> )	Ø1.30mm Max	1.80	1.70	2.20	2.05
P/N	Material	Wire	insulation O.D.	DIM A	DIM B	DIM C	DIM D

20231127	X3	ER20231127002	version upgrade	ZEE.WANG	Larry Yang
20230731	X2	ER20230719001	Optimize the shrapnel and wiring area	ZEE.WANG	Larry Yang
20230519	X1	ER20230519001	Optimize the surface	ZEE.WANG	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE  
 .X ±0.35  
 .XX ±0.25  
 .XXX±0.15  
 X.' ±2'

PROJECT

APPROVAL CHECK DRAWN DATE  
 Jack Zhang Larry Yang ZEE.WANG 2022/11/28

PART NO. HRS-2554TX-HGW1-A				
TITLE 2.54mm WTB TERMINAL				
UNIT	SCALE	SHEET	REV	NUMBER
mm	1:1	1/1	X3	A-000

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

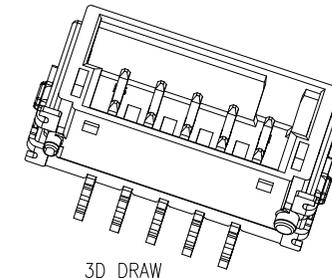
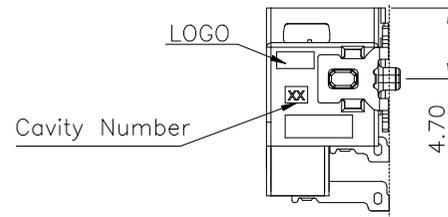
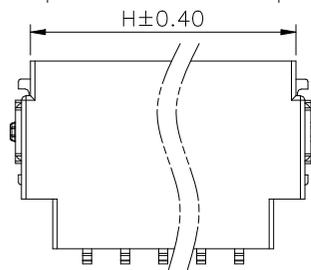
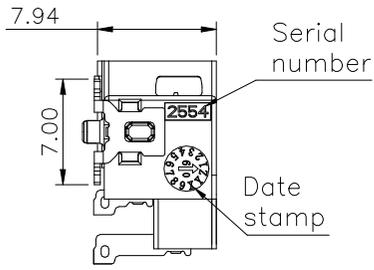
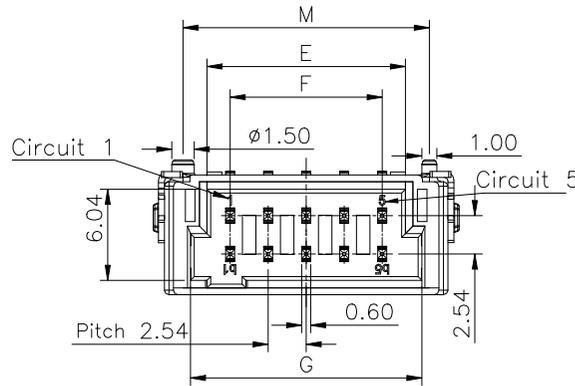
■ Specifications :

- Voltage rating: 500 V Max. AC/DC
- Current rating: 12A Max. AC/DC MAX;
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125C
- Insulation resistance: ≥1000MΩ
- Contact resistance: <20mΩ
- Material(Pin): Brass
- Mates With HRS Housing:HRS-2554A-2\*XXX
- Product Specification:PS-HRS-2554-01
- Packaging: see HRS Drawing PK-HRS-2554WRS

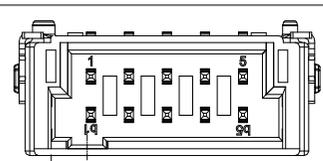
HRS-2554 W R S-2\*XX X -LP GW01 X R

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

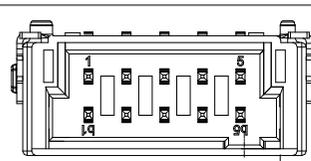
- ① Series No.: HRS-2554
- ② Category: W-wafer
- ③ Connector Type: R-Right Angle 90°
- ④ Mouting Type: S-SMT
- ⑤ Row No.-Pin No.: 2xXX-Double Row 2xXXPin
- ⑥ Key code: A-Key A , B-Key B C-Key C , D-Key D
- ⑦ Plastic material: LP- LCP UL94V-0
- ⑧ Plating Code: GW01-Contact area:Gold Flash; Underplate:Ni 40~120u"(1~3um); Top Plating:Sn 80~200u"(2~5um)
- ⑨ Color: A-Green; B-Black; R-Red; L-Blue
- ⑩ Packing: R-Reel



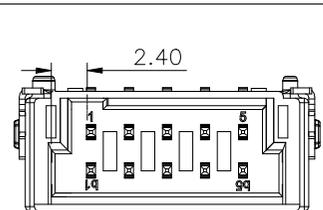
3D DRAW SCALE 1:1



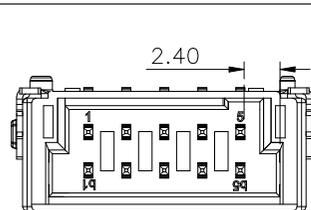
Key A



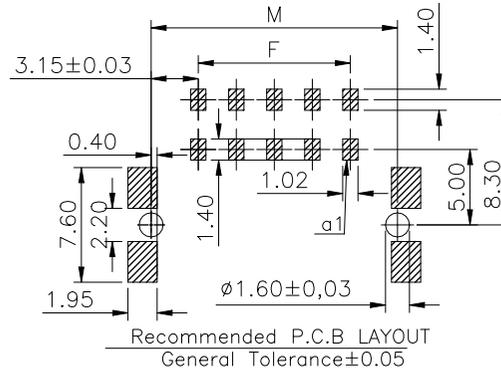
Key B



Key C



Key D



PIN	E	F	G	H	M	PIN	E	F	G	H	M
2*02	5.68	2.54	7.84	10.12	8.84	2*16	41.24	38.10	43.40	45.68	44.40
2*03	8.22	5.08	10.38	12.66	11.38	2*17	43.78	40.64	45.94	48.22	46.94
2*04	10.76	7.62	12.92	15.20	13.92	2*18	46.32	43.18	48.48	50.76	49.48
2*05	13.30	10.16	15.46	17.74	16.46	2*19	48.86	45.72	51.02	53.30	52.02
2*06	15.84	12.70	18.00	20.28	19.00	2*20	51.40	48.26	53.56	55.84	54.56
2*07	18.38	15.24	20.54	22.82	21.54	2*21	53.94	50.80	56.10	58.38	57.10
2*08	20.92	17.78	23.08	25.36	24.08	2*22	56.48	53.34	58.64	60.92	59.64
2*09	23.46	20.32	25.62	27.90	26.62	2*23	59.02	55.88	61.18	63.46	62.18
2*10	26.00	22.86	28.16	30.44	29.16	2*24	61.56	58.42	63.72	66.00	64.72
2*11	28.54	25.40	30.70	32.98	31.70	2*25	64.10	60.96	66.26	68.54	67.26
2*12	31.08	27.94	33.24	35.52	34.24	2*26	66.64	63.50	68.80	71.08	69.80
2*13	33.62	30.48	35.78	38.06	36.78	2*27	69.18	66.04	71.34	73.62	72.34
2*14	36.16	33.02	38.32	40.60	39.32	2*28	71.72	68.58	73.88	76.16	74.88
2*15	38.70	35.56	40.86	43.14	41.86						

20231206	X2	/	version upgrade	Zee.Wang	Jack Zhang
20231129	X1	/	version upgrade	Zee.Wang	Jack Zhang
20230330	X0	/	Initial release	/	Larry Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE		Horus Int. Electronics. Co., LTD.			
.X	±0.35	 <b>Horus Int. Electronics. Co., LTD.</b> <b>Horustech Electronics. Co., LTD.</b>			
.XX	±0.25				
.XXX	±0.15				
X.' ±2'					
PROJECT		APPROVAL	CHECK	DRAWN	DATE
		Jack Zhang	Larry Yang	Zee.Wang	2023/03/30

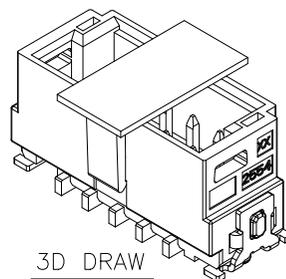
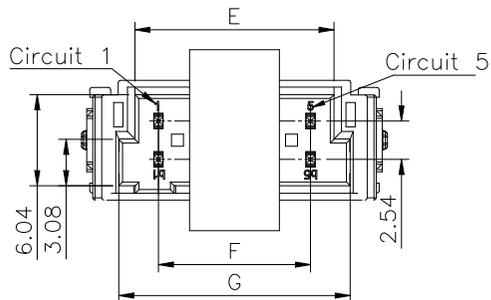
PART NO.				
HRS-2554WRS-2*XXX-LPGW01XR				
TITLE				
Pitch 2.54mm WTB CONN				
UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	X2	CD

RoHS

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

■ Specifications :

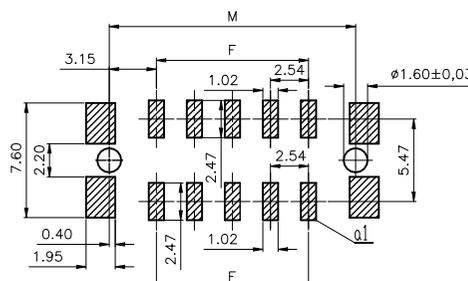
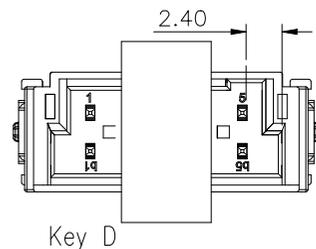
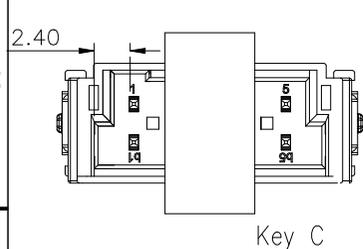
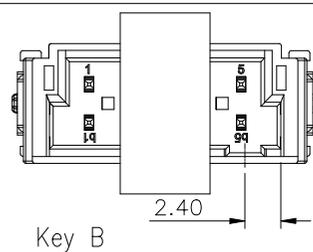
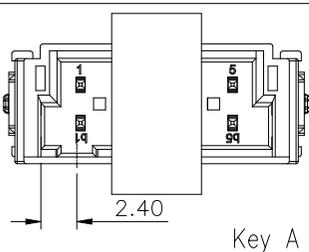
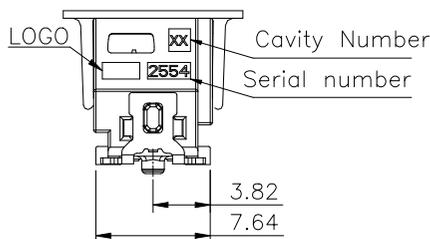
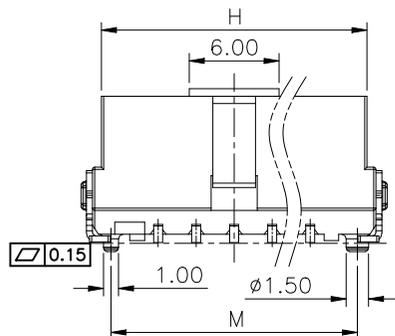
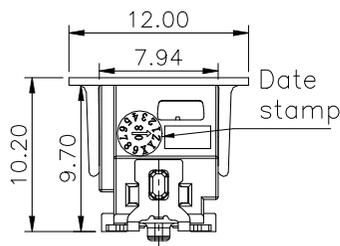
- Voltage rating: 500 V Max. AC/DC
- Current rating: 12A Max. AC/DC MAX;
- Withstanding voltage: 1000V AC/minute
- Temperature range: -40°C~+125C
- Insulation resistance: ≥1000MΩ
- Contact resistance: <20mΩ
- Material(Pin): Brass
- Mates With HRS Housing:HRS-2554A 2\*XXX
- Product Specification: PS-HRS-2554-01
- Packaging: see HRS drawing PK-HRS-2554WWS



3D DRAW  
SCALE 1:1

HRS-2554 W V S-2\*XX X -LP GW01 X C  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Series No.:HRS-2554
- ② Category: W-wafer
- ③ Connector Type: V-Straight 180°
- ④ Mouting Type: S-SMT
- ⑤ Row No.-Pin No.: 2xXX-Double Row 2xXXPin
- ⑥ Key code: A-Key A , B-Key B C-Key C , D-Key D
- ⑦ Plastic material: LP- LCP UL94V-0
- ⑧ Plating Code: GW01-Contact area:Gold Flash;  
Underplate:Ni 40~120u"(1~3um);  
Top Plating:Sn 80~200u"(2~5um)
- ⑨ Color: A-Green; B-Black; R-Red; L-Blue
- ⑩ Packing: C-Reel and CAP



Recommended P.C.B LAYOUT  
General Tolerance±0.05

PIN位	E	F	G	H	M	PIN位	E	F	G	H	M
2*2	5.68	2.54	7.84	10.12	8.84	2*16	41.24	38.10	43.40	45.28	44.40
2*3	8.22	5.08	10.38	12.66	11.38	2*17	43.78	40.64	45.94	47.82	46.94
2*4	10.76	7.62	12.92	15.20	13.92	2*18	46.32	43.18	48.48	50.36	49.48
2*5	13.30	10.16	15.46	17.74	16.46	2*19	48.86	45.72	51.02	52.90	52.02
2*6	15.84	12.70	18.00	20.28	19.00	2*20	51.40	48.26	53.56	55.44	54.56
2*7	18.38	15.24	20.54	22.82	21.54	2*21	53.94	50.80	56.10	57.98	57.10
2*8	20.92	17.78	23.08	25.36	24.08	2*22	56.48	53.34	58.64	60.52	59.64
2*9	23.46	20.32	25.62	27.90	26.62	2*23	59.02	55.88	61.18	63.06	62.18
2*10	26.00	22.86	28.16	30.44	29.16	2*24	61.56	58.42	63.72	65.60	64.72
2*11	28.54	25.40	30.70	32.98	31.70	2*25	64.10	60.96	66.26	68.14	67.26
2*12	31.08	27.94	33.24	35.52	34.24	2*26	66.64	63.50	68.80	70.68	69.80
2*13	33.62	30.48	35.78	38.06	36.78	2*27	69.18	66.04	71.34	73.22	72.34
2*14	36.16	33.02	38.32	40.60	39.32	2*28	71.72	68.58	73.88	75.76	74.88
2*15	38.70	35.56	40.86	43.14	41.86						

20231207	X2	/	version upgrade	Zee.Wang	Jack Zhang
20231129	X1	/	version upgrade	Zee.Wang	Jack Zhang
20230330	X0	/	Initial release	/	John Yang
DATE	REV	ECN NO.	DESCRIPTION	MODIFY	APPROVAL

GENERAL TOLERANCE  
.X ±0.35  
.XX ±0.25  
.XXX±0.15  
X.' ±2'

PROJECT

APPROVAL: Jack Zhang  
CHECK: Larry Yang  
DRAWN: Zee.Wang  
DATE: 2023/03/30

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

PART NO. HRS-2554WWS-2\*XXX-LPGWO1XC

TITLE Pitch 2.54mm WTB CONN

UNIT	SCALE	SHEET	REV	NUMBER
mm	2:1	1/1	X2	CD