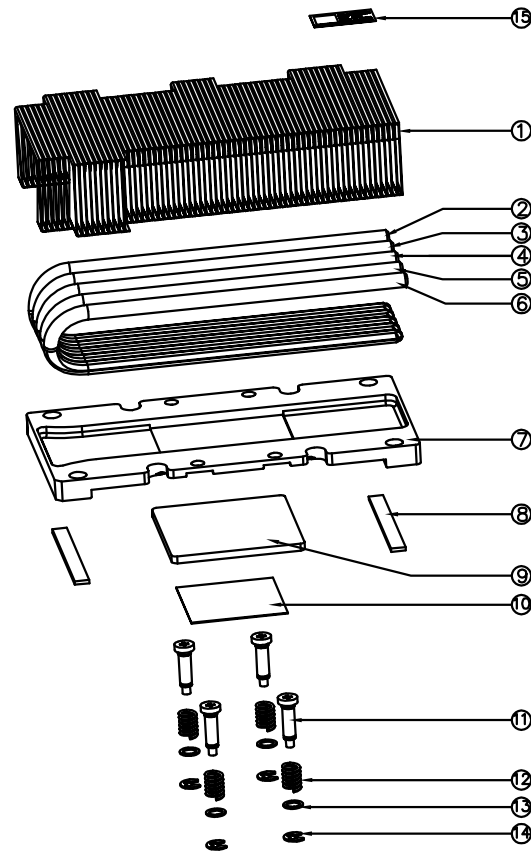


OEM



REV.	ECN.	NO.	APPD.
A			

NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: SEE TABLE.



15	LABEL	1	PAPER
14	E-RING	4	SK7,NI-PLATE
13	WASHER	4	SUS304
12	SPRING	4	SWC
11	SCREW	4	AlSi1018,M3*21.6mm
10	GREASE	/	X23-7921
9	CU BASE	1	CU1100,PASSIVATION
8	THERMAL PAD	2	T-FLEX760,59*6*1.5mm
7	AL BASE	1	AL6063,NI-PLATE
6	HEAT PIPE-5	1	CU1100,PASSIVATION
5	HEAT PIPE-4	1	CU1100,PASSIVATION
4	HEAT PIPE-3	1	CU1100,PASSIVATION
3	HEAT PIPE-2	1	CU1100,PASSIVATION
2	HEAT PIPE-1	1	CU1100,PASSIVATION
1	CU FIN	1	CU1100,PASSIVATION
ITEM	PART NAME	Q'TY	DESCRIPTION

X.±	X.'± 2'	UNITS mm	NAME(INTENDED USE)	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.  TITLE: CUSTOMER DRAWING  DWG NO.:			
.X± 0.50	.X'±	MAT'L 	GX100				
.XX± 0.30	.XX'±	FINISH _____	PART NO.(INTENDED USE) PHG199GB0012(Z)				
.XXX±	.XXX'±	Q'TY _____	APPD:				
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			CHKD:				
			DR:				<table><tr><td>SCALE</td><td>SHEET</td><td>REV.</td></tr><tr><td>N/A</td><td>1/12</td><td>A</td></tr></table>
SCALE	SHEET	REV.					
N/A	1/12	A					

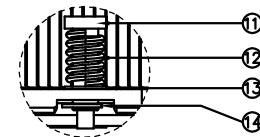
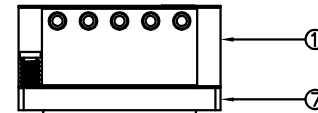
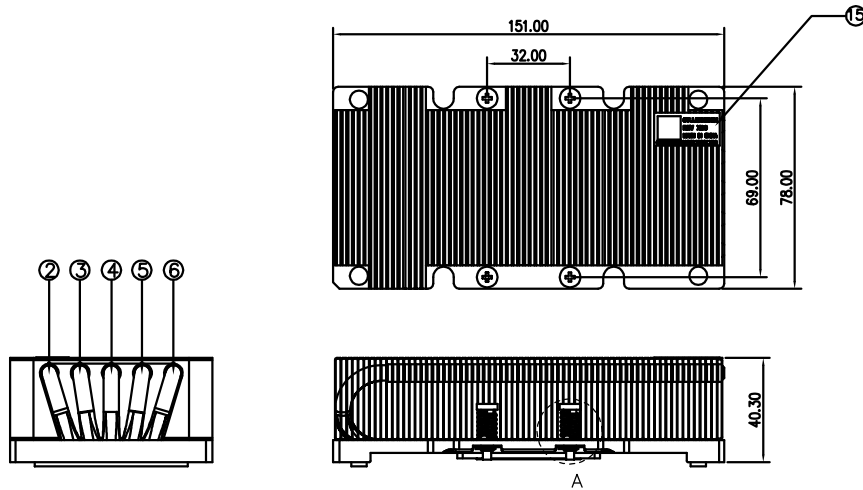
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PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

OEM

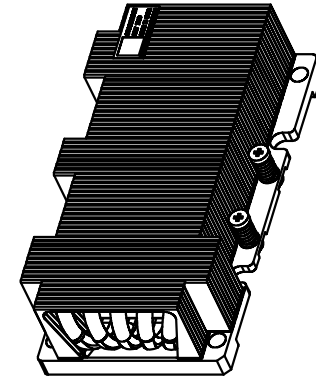
REV.	ECN.	NO.	APPD.
A			

## NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: SEE TABLE.



DETAIL A(1:1)



15	LABEL	1	PAPER
14	E-RING	4	SK7,NI-PLATE
13	WASHER	4	SUS304
12	SPRING	4	SWC
11	SCREW	4	AlSi1018,M3*21.6mm
10	GREASE	/	X23-7921
9	CU BASE	1	CU1100,PASSIVATION
8	THERMAL PAD	2	T-FLEX760,59*6*1.5mm
7	AL BASE	1	AL6063,NI-PLATE
6	HEAT PIPE-5	1	CU1100,PASSIVATION
5	HEAT PIPE-4	1	CU1100,PASSIVATION
4	HEAT PIPE-3	1	CU1100,PASSIVATION
3	HEAT PIPE-2	1	CU1100,PASSIVATION
2	HEAT PIPE-1	1	CU1100,PASSIVATION
1	CU FIN	1	CU1100,PASSIVATION
ITEM	PART NAME	Q'TY	DESCRIPTION

X.±	X.'± 2"	UNITS	NAME(INTENDED USE)	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.X± 0.50	.X'±	MAT'L	GX100	
.XX± 0.30	.XX'±	FINISH	PART NO.(INTENDED USE) PHG199GB0012(Z)	
.XXX±	.XXX'±	Q'TY	APPD:	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.				TITLE: CUSTOMER DRAWING
				DWG NO.:
				CHKD:
				DR:
				SCALE SHEET REV. 1:2 2/12 A

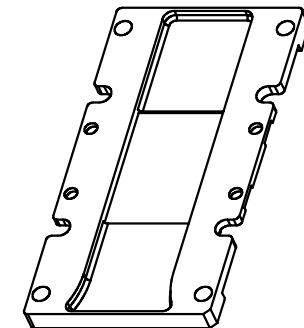
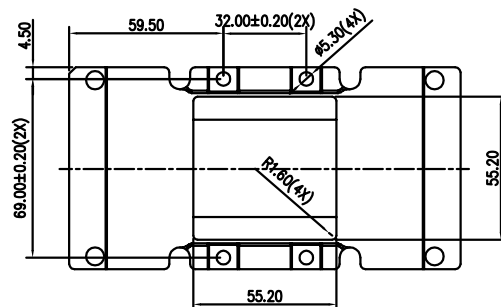
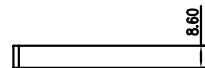
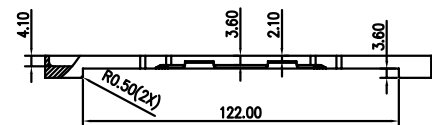
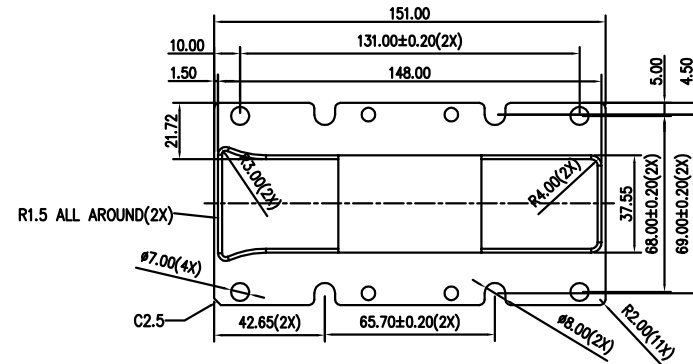
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PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

OEM


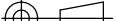
REV.	ECN.	NO.	APPD.
A			

## NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: AL 6063, NI-PLATED .
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

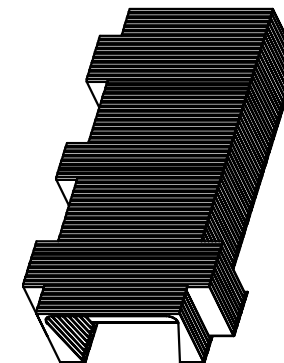
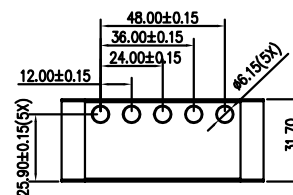
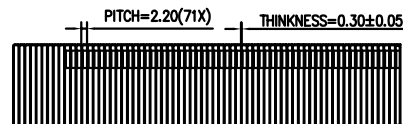
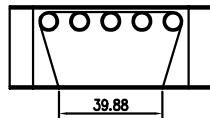
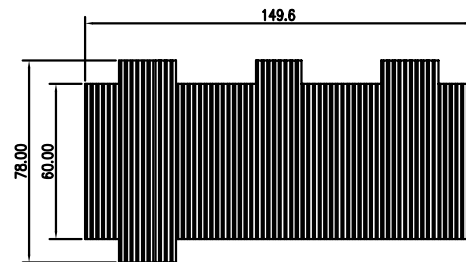
X.±	X.± 2°	UNITS mm	NAME(INTENDED USE)	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.X± 0.50	.X'±	MAT'L 	GX100	TITLE: CUSTOMER DRAWING		
.XX± 0.30	.XX'±	FINISH _____	PART NO.(INTENDED USE) PHG199GB0012(Z)			
.XXX±	.XXX'±		APPD: _____	DWG NO.:		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			Q'TY _____			CHKD: _____
					DR: _____	
					SCALE 1:2	SHEET 3/12

OEM


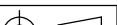
REV.	ECN.	NO.	APPD.
A			

NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

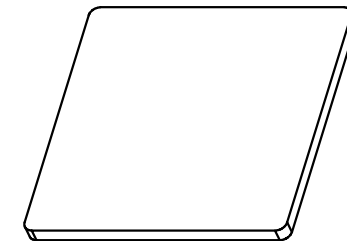
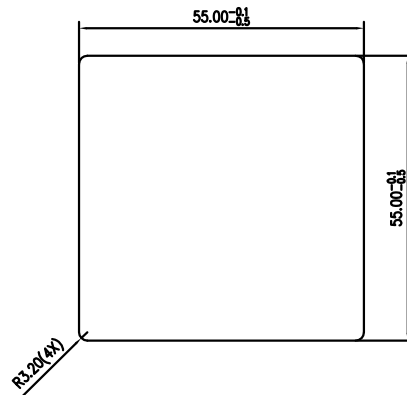
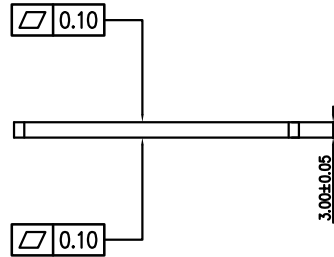
X.±	X.± 2°	UNITS mm	NAME(INTENDED USE)  GX100	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.50	.X±	MAT'L 					
.XX± 0.30	.XX±	FINISH _____	PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING			
.XXX±	.XXX±		APPD: _____	DWG NO.:			
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			Q'TY _____	CHKD: _____			
			DR: _____	_____			
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					1: 2	4/12	A

OEM

REV.	ECN.	NO.	APPD.
A			

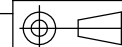
NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

X.±	X.'± 2°	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X ± 0.50	.X' ±	MAT'L	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX ± 0.30	.XX' ±	FINISH	PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX ±	.XXX' ±	Q'TY	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			CHKD:	
			DR:	

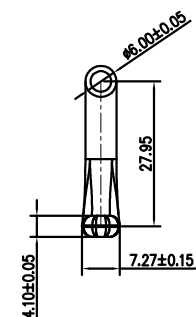
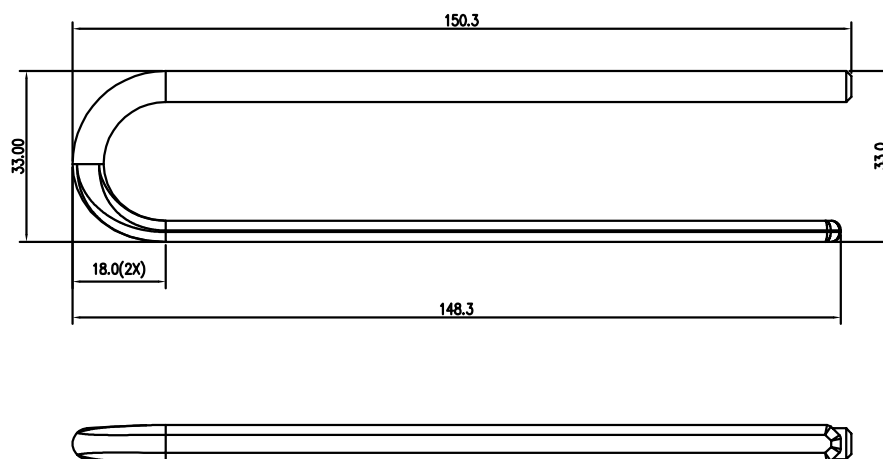


OEM

REV.	ECN.	NO.	APPD.
A			

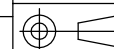
NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

X.±	X.'± 2"	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X± 0.50	.X'±	MAT'L	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.30	.XX'±	FINISH	PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX'±	Q'TY	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			CHKD:	
			DR:	



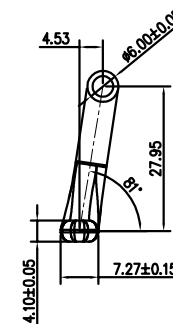
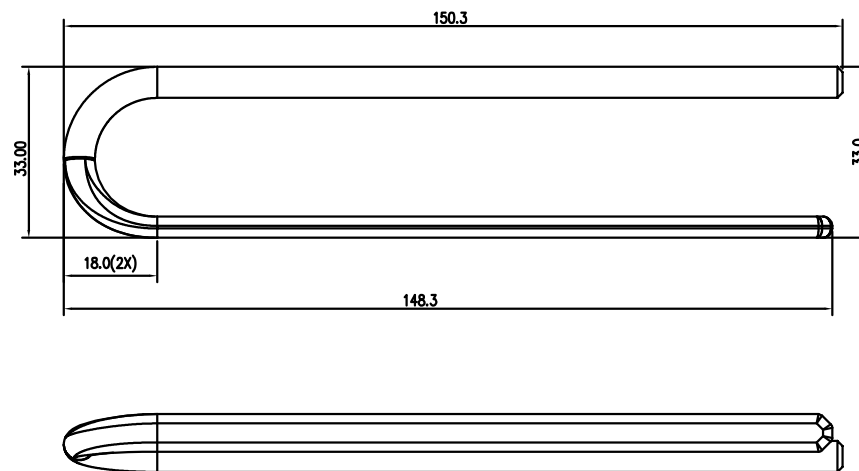
SCALE	SHEET	REV.
1:1	6/12	A

OEM

REV.	ECN.	NO.	APPD.
A			

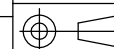
NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

X.±	X.'± 2°	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X± 0.50	.X'±	MAT'L	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.30	.XX'±	FINISH	PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX'±	Q'TY	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			CHKD:	
			DR:	



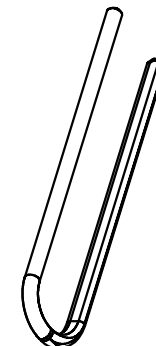
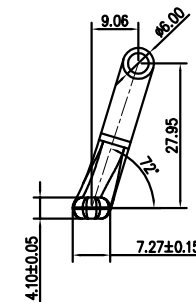
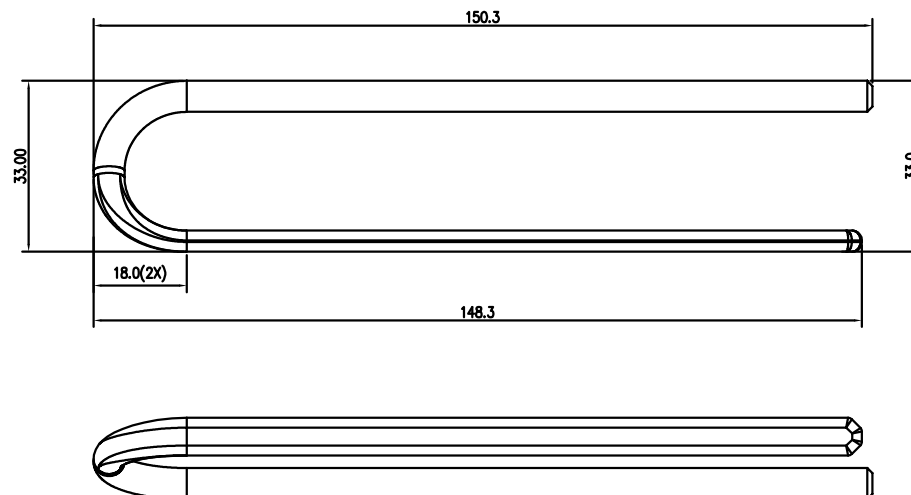
SCALE	SHEET	REV.
1:1	7/12	A

OEM

REV.	ECN.	NO.	APPD.
A			

NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

X.±	X.'± 2°	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X± 0.50	.X'±	MAT'L	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.30	.XX'±		PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX'±	FINISH	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			Q'TY	CHKD:
				DR:
				SCALE SHEET REV. 1:1 8/12 A

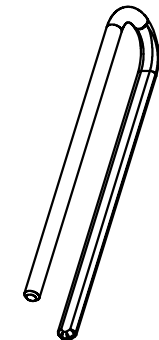
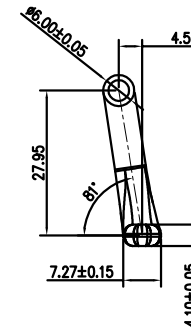
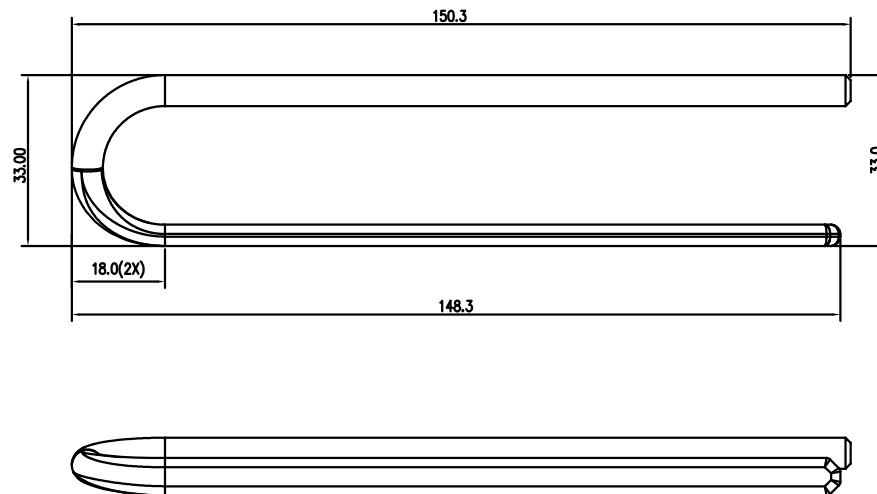


OEM

REV.	ECN.	NO.	APPD.
A			

## NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N

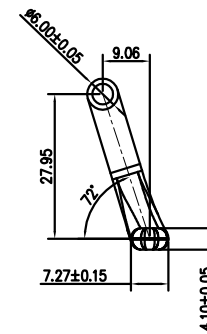
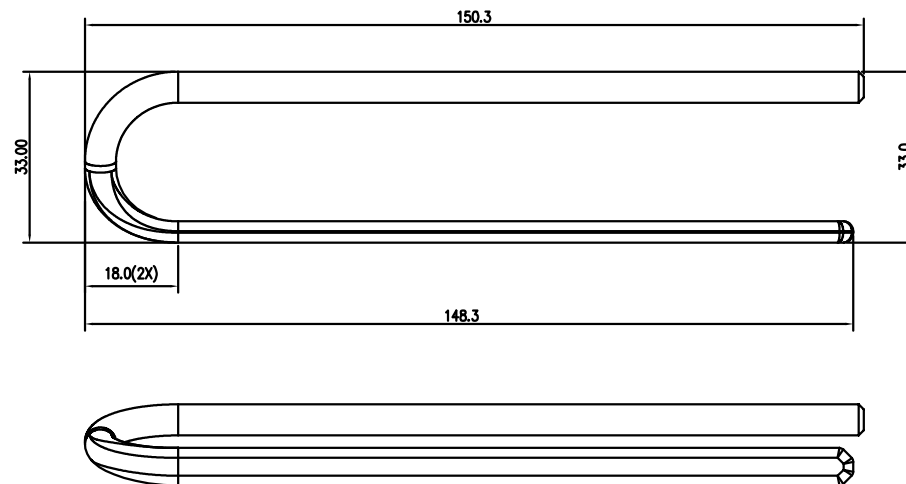
X.±	X.*± 2°	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X± 0.50	.X*±	MAT'L 	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.30	.XX*±		PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX*±	FINISH	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			Q'TY	CHKD:
				DR:
				SCALE SHEET REV. 1:1 9/12 A

OEM

REV.	ECN.	NO.	APPD.
A			

## NOTES:

1. DIMENSIONS AND TOLERANCES PER ANSI Y14.5-1982 .
2. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.
3. MATERIAL: CU1100,PASSIVATION.
4. ALL PARTS MUST COMPLY WITH HALOGEN-FREE SPECIFICATION.



PHG199GB0012	/
PHG199GB0012Z	/
FOXCONN P/N	CUSTOMER P/N


X.±	X.'± 2°	UNITS mm	NAME(INTENDED USE)	FOXCONN
.X± 0.50	.X'±	MAT'L	GX100	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX± 0.30	.XX'±		PART NO.(INTENDED USE) PHG199GB0012(Z)	TITLE: CUSTOMER DRAWING
.XXX±	.XXX'±	FINISH	APPD:	DWG NO.:
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.			Q'TY	CHKD:
				DR:
				SCALE SHEET REV. 1:1 10/12 A

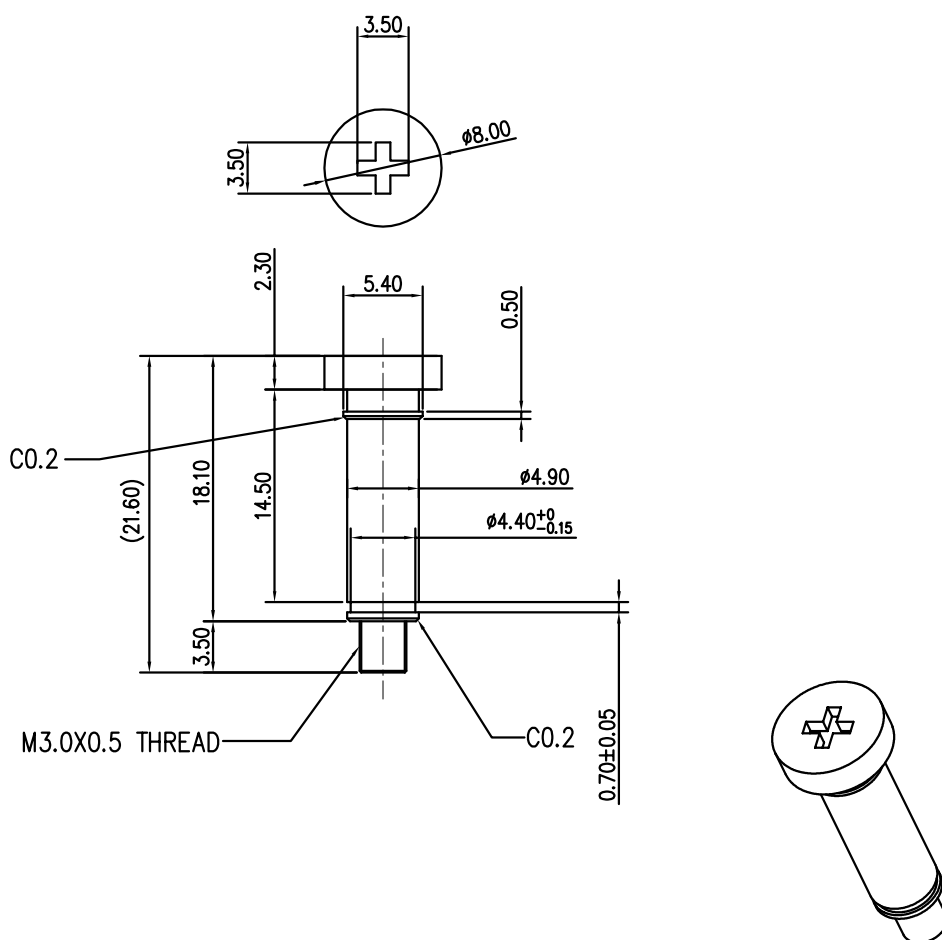
# OEM



ECN.

APPD.

NOTES:

1. DIMENSIONS AND TOLERANCE PER ANSI Y14.5-1982.
2. THE DIMENSIONS MARKED  WILL BE CHECKED BY Q.C AND PROCESS ENGINEERS.
3. MATERIAL: C1018, HRC 45-62.
4. FINISHED: NI-PLATE.
5. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENT SPEC. EMT-D00-079.



X.±	X.*± 2°	UNITS mm	NAME(INTENDED USE)	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.						
.X± 0.50	.X*±	MAT'L 	GX100	TITLE: CUSTOMER DRAWING						
.XX± 0.30	.XX*±		PART NO.(INTENDED USE) PHG199GB0012(Z)							
.XXX±	.XXX*±	FINISH _____	APPD:	DWG NO.:						
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		DR:	<div><table><tr><td>SCALE</td><td>SHEET</td><td>REV.</td></tr><tr><td>N/A</td><td>11/12</td><td>A</td></tr></table></div>				SCALE	SHEET	REV.	N/A
SCALE	SHEET	REV.								
N/A	11/12	A								

OEM

REV.

ECN.

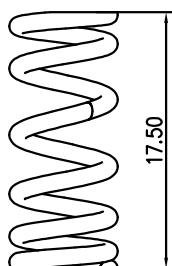
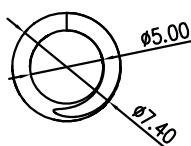
NO.

APPD.

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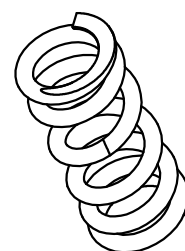
## NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982
2. THE DIMENSIONS MARKED  $\nabla$  WILL BE CHECKED BY QC AND PROCESS ENGINEERS.
3. MATERIAL: SWC DIAMETER= $\phi 1.20 \pm 0.05$ mm.  
THE SPRING PARAMETER SEE THE FOLLOWING TABLE.
4. SURFACE FINISH: SEE TABLE.
5. ALL SHARP EDGES TO BE ROUNDED TO PREVENT INJURY.
6. MATERIAL SHOULD BE IN ACCORDANCE WITH FOXCONN ENVIRONMENTAL SPEC. EMT-D00-079.



## PARAMETERS

MATERIAL		SWC
MATERIAL DIAMETER		$\phi 1.20$
THREAD OUTER DIAMETER		$\phi 7.4$
THREAD INNER DIAMETER		$\phi 5.0$
WINDING DIRECTION		RIGHT
FREE HEIGHT (mm)		17.5
LOAD	LOAD(b)	$18.9 \pm 10\%$
	HEIGHT(mm)	11.2
SPRING CONSTANT(b/mm)		$3.0 \pm 10\%$
FINISHED		NI-PLATING



X.±	X.*± 2°	UNITS mm	NAME(INTENDED USE)	<b>FOXCONN</b> HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.X ± 0.50	.X*±	MAT'L $\nabla$ 3	GX100	TITLE: CUSTOMER DRAWING		
.XX ± 0.30	.XX*±		PART NO.(INTENDED USE) PHG199GB0012(Z)			
.XXX ±	.XXX*±	FINISH	APPD:	DWG NO.:		
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			DR:			
					SCALE	SHEET
					N/A	12/12
					REV.	
					A	