



達鉅電子股份有限公司
REGO ELECTRONICS INC.

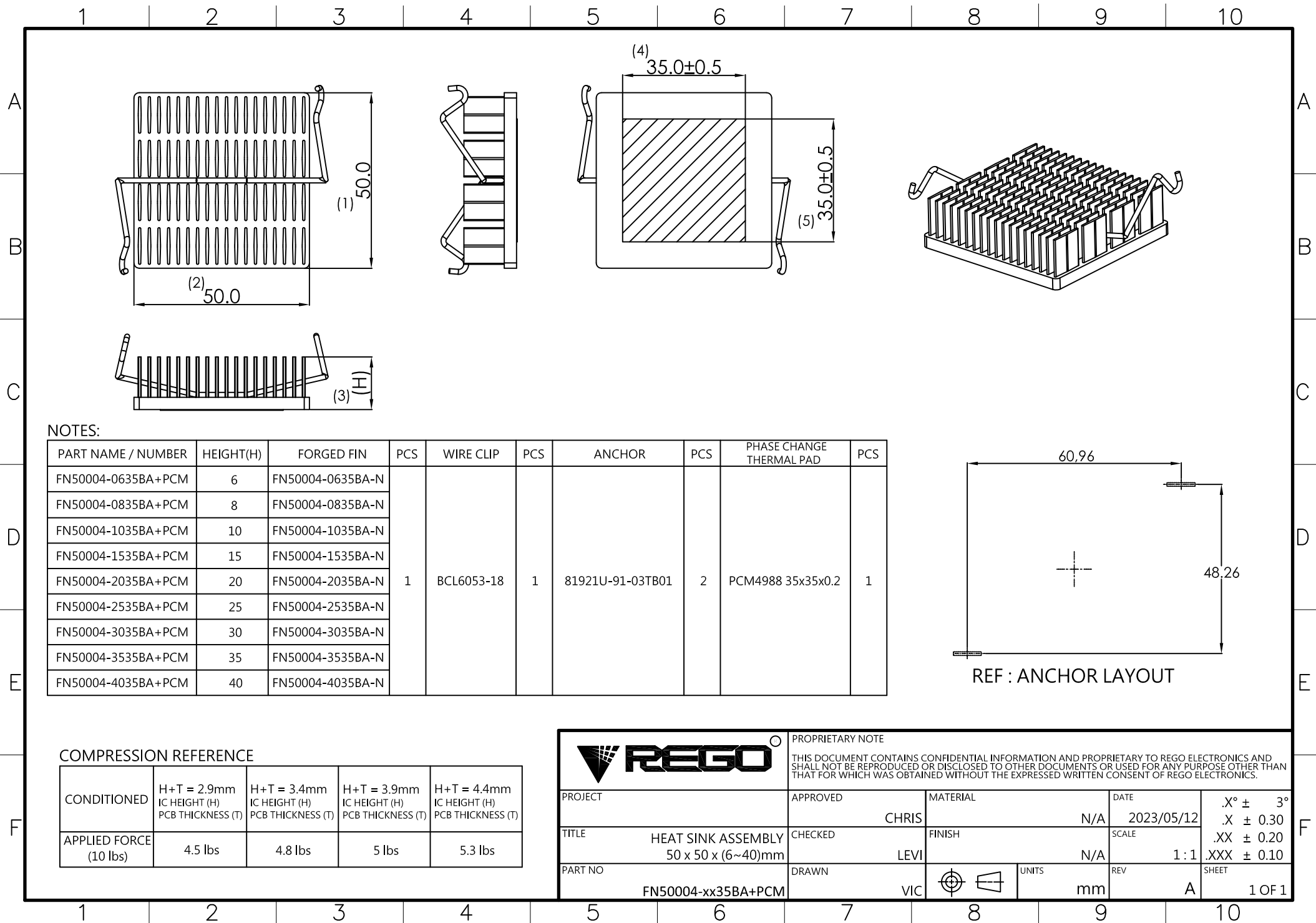
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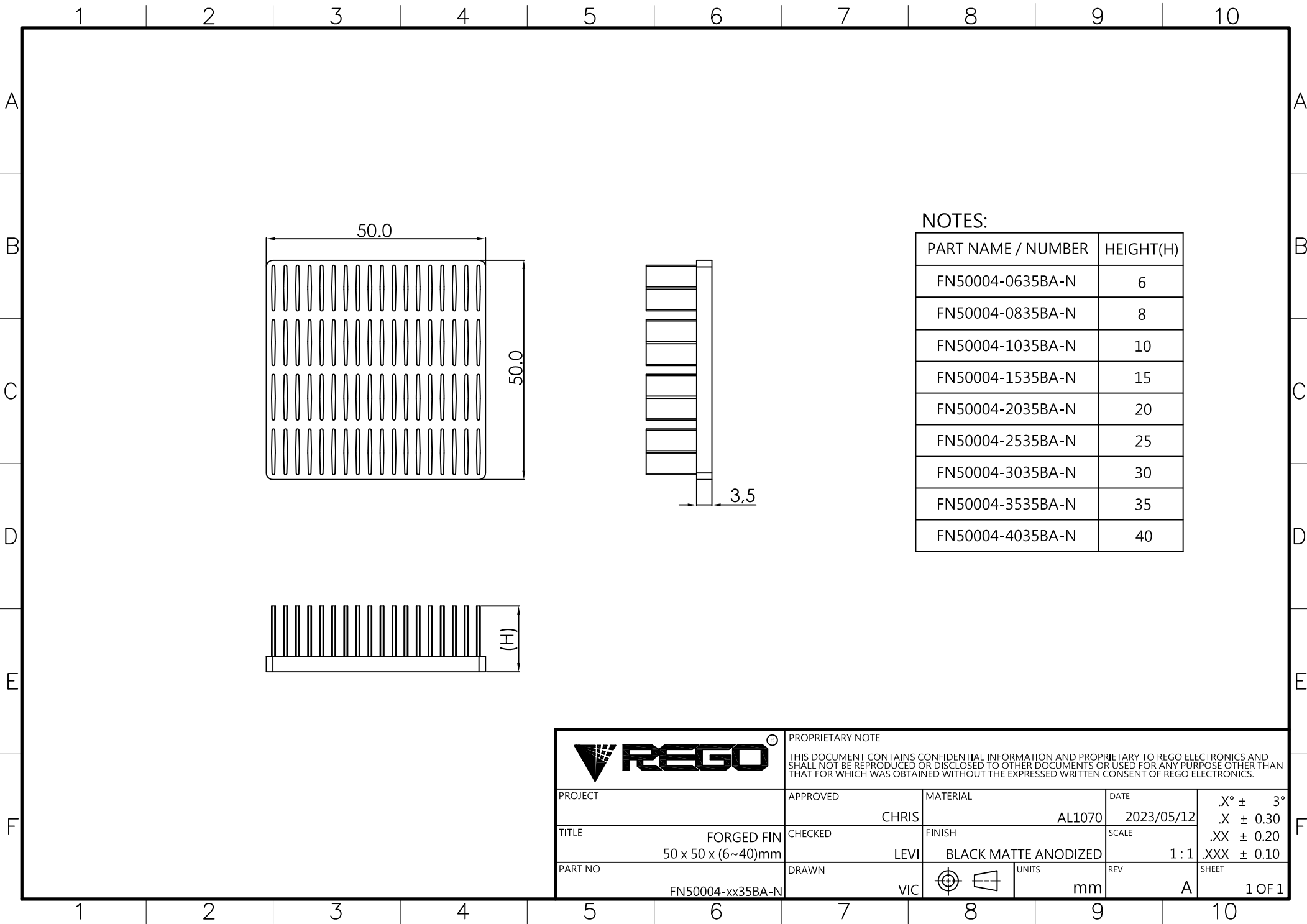
APPROVAL SHEET

BRAND	REGO
PART NUMBER	FN50004-xx35BA+PCM
DESCRIPTION	HEAT SINK ASSEMBLY 50 x 50 x (6~40)mm
CUSTOMER	
CUSTOMER P/N	

AUTHORIZED SIGNATURES


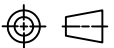
NAME			
DATE			

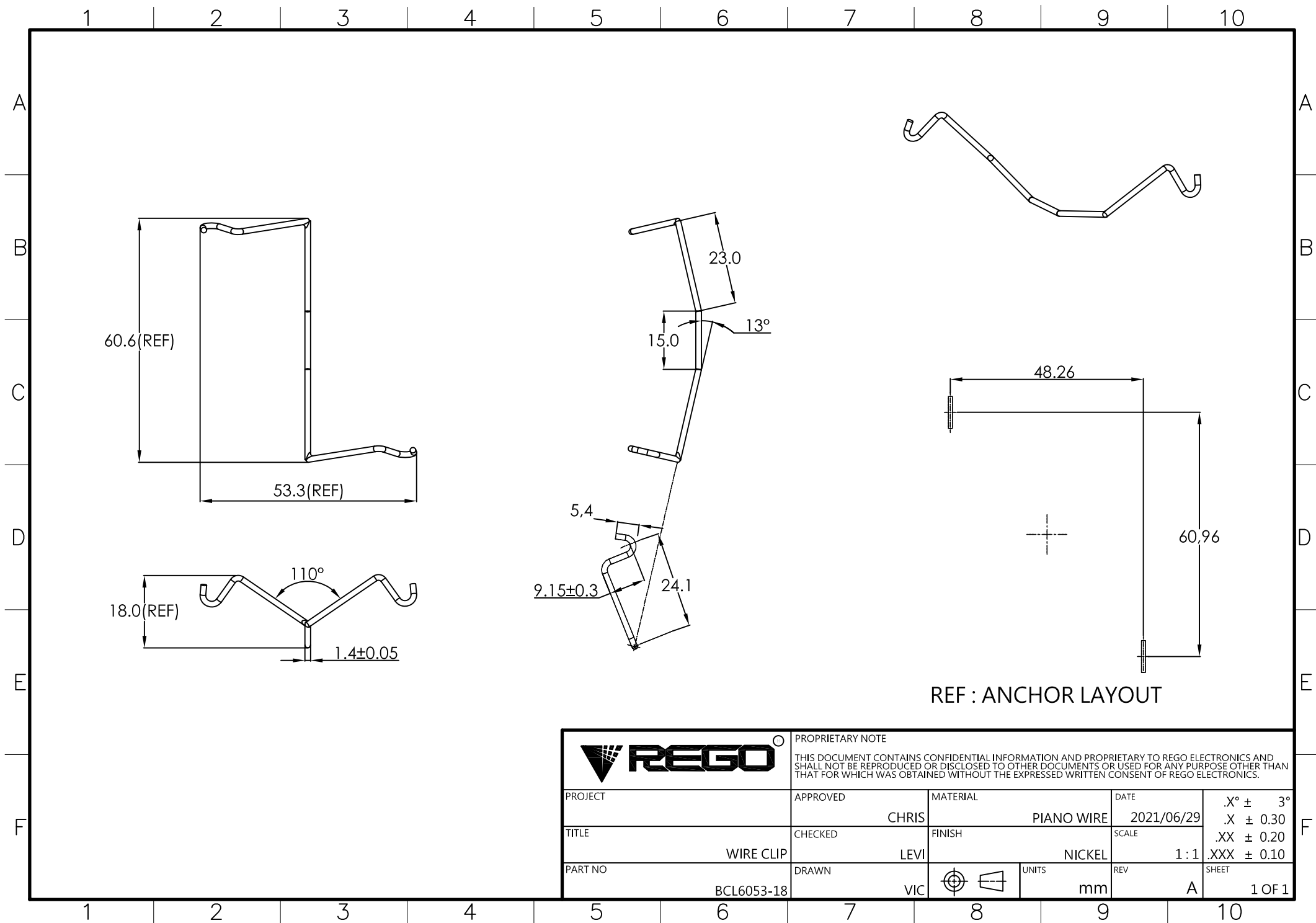




NOTES:

PART NAME / NUMBER	HEIGHT(H)
FN50004-0635BA-N	6
FN50004-0835BA-N	8
FN50004-1035BA-N	10
FN50004-1535BA-N	15
FN50004-2035BA-N	20
FN50004-2535BA-N	25
FN50004-3035BA-N	30
FN50004-3535BA-N	35
FN50004-4035BA-N	40

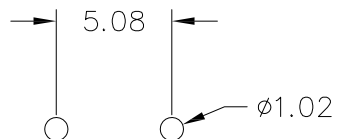
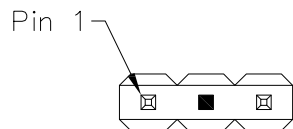
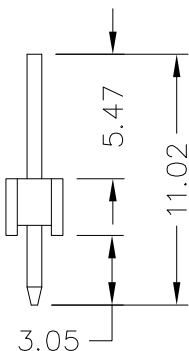
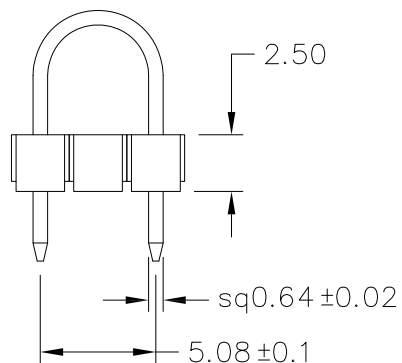
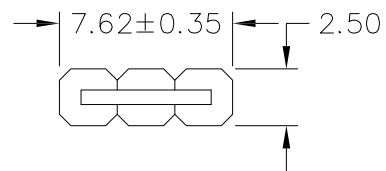
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PROJECT	APPROVED	MATERIAL	DATE	<div><div>.X° ± 3°</div><div>.X ± 0.30</div><div>.XX ± 0.20</div><div>.XXX ± 0.10</div></div>	
TITLE	CHECKED	FINISH	SCALE		
PART NO	DRAWN	UNITS	REV	<div><div>SHEET</div><div>1 OF 1</div></div>	
FORGED FIN 50 x 50 x (6~40)mm		AL1070	2023/05/12		
FN50004-xx35BA-N		BLACK MATTE ANODIZED	1 : 1	A	
			mm		



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PROJECT	APPROVED	MATERIAL	DATE	.X° ± 3°
	CHRIS	PIANO WIRE	2021/06/29	.X ± 0.30
TITLE	CHECKED	FINISH	SCALE	.XX ± 0.20
WIRE CLIP	LEVI	NICKEL	1 : 1	.XXX ± 0.10
PART NO	DRAWN	UNITS	REV	SHEET
BCL6053-18	VIC	mm	A	1 OF 1



Recommended P.C.B Layout

MATERIAL

Insulator : NYLON 6T or 9T

Contact Pin : Brass

SPECIFICATION

Current Rate : 3 AMP

Insulation Resistance : 5000MΩMin. at DC 500V

Contact Resistance : 20mΩMax. at DC 100mA

Dielectric Voltage : AC 500V for one minute


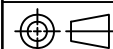
Operation Temperature : -40°C to + 105°C

81921U-9 1- 03 T B 01
1 2 3 4 5 6

1. 5: Normal Parts
- 7: Green Product
- 9: Green Product High Temp (NYLON 6T or 9T)
2. 1: Single row
3. No. of contacts per row
4. G: Gold flash
- S: Selective
- T: Tin plated
5. B: Black Insulator
6. REGO internal code.

PROPRIETARY NOTE:

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.X ± 0.30	APPROVED:	 http://www.rego.com.tw
.XX ± 0.20	CHECKED:	
.XXX ± 0.15	DRAWN:	
X* ± 3'		
	UNITS:	SCALE:
	mm	NONE
		TITLE: ANCHOR
		PART NO: 81921U-91-03TB01
		SHEET: 1 OF 1

A	11.18.2015
REV	DATE

PCM4988

High Thermal Conductivity Phase Change Material

Honeywell's PCM4988, a highly thermally conductive Phase Change Material (PCM) in pad format, was designed to minimize thermal resistance at interfaces. Based on a novel polymer PCM system, this material exhibits excellent wetting at interfaces during typical operating temperature range, resulting in very low surface contact resistance.

A proprietary filler material provides high thermal conductivity (2.0–5.0 W/m°C) and a low thermal impedance ($<0.20^{\circ}\text{C cm}^2/\text{W}$), suitable for high performance IC devices.

PCM4988 in Convenient Pad Format



*Stencil printable material is available as PCM4988-SP

Honeywell TIMs Serve Multiple Applications



Automotive & Power



IT/Enterprise



Telecommunications



Consumer Electronics



FEATURES & BENEFITS

- High performance filler and polymer technology
- Phase change at 45°C
- Highly conductive filler loading to optimize performance
- Superior handling and reworkability
- Superior reliable thermal performance
- Excellent thermal capability to fit different needs

PCM4988 Technical Information

Physical Properties	Unit	Test Method	PCM4988
Thermal Conductivity	W/m·K	ASTM D5470	2.0
Thermal Impedance @ no shim (Typical Value)	°C -cm ² /W	ASTM D5470 Modified	0.14
Specific Gravity		ASTM D374	2.2
Viscosity (Typical Value)	Pa·s @2 1/s, 25°C	RehometerHON	NA
Volume Resistivity	Ω·cm	ASTM D257-700	8.2x10 ¹⁴
Thickness Range	mm		0.20-1.00

STORAGE CONDITION

Refer to product label.

THERMAL IMPEDANCE POST RELIABILITY

(No shim @ 40psi)

End of Line 0.14 °C-cm²/W

Temperature Cycle "B" 0.10 °C-cm²/W

(-55°C to +125°C , 1000 cycles)

Product Use

Clamping pressure and temperature are suggested to achieve a minimum bond line thickness of the thermal interface material, typically less than 1.5 mil (0.038mm) for best thermal performance.

More Honeywell TIMs

PCM4988 is part of Honeywell's TIM Solutions family of phase change materials. Whatever the thermal challenge, we offer a TIM product that provides just the right characteristics for your application. Find out more about:

PTM7000 Series PTM6000 Series

PTM5000 Series PCM45F Series

Hybrid Series LTM Series By

visiting: electronicmaterials.com



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OUR COMMITMENT TO SUSTAINABILITY

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