

Small Size Forge Heat Sinks



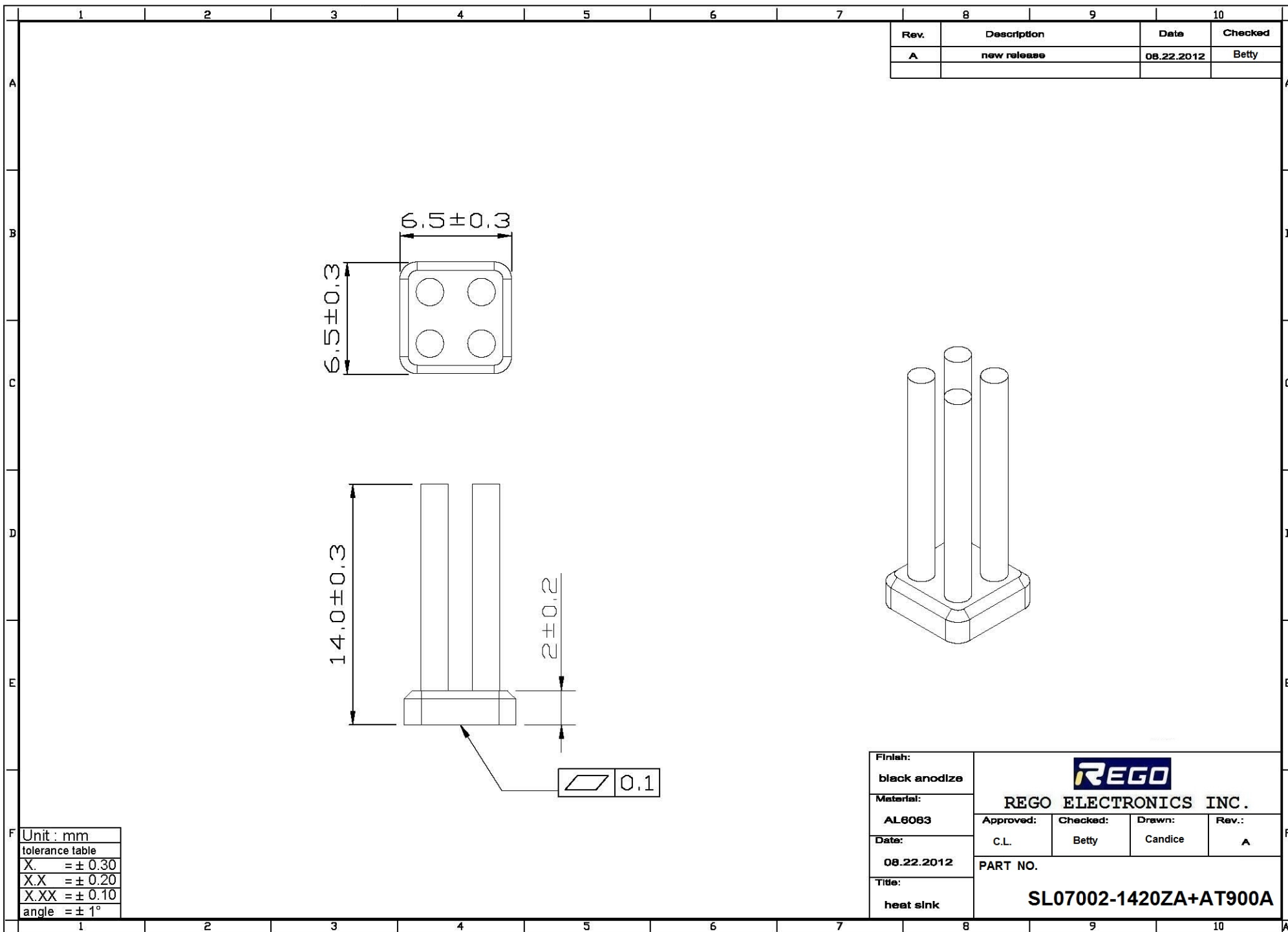
1. Material : Aluminum 6063

2. Finish : Black anodize (optional)

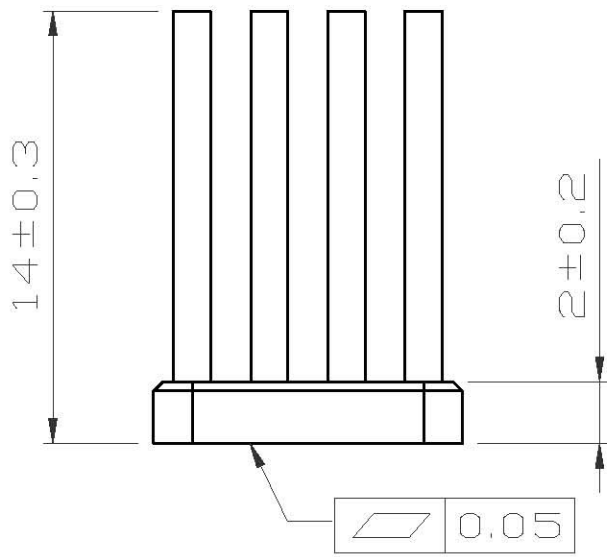
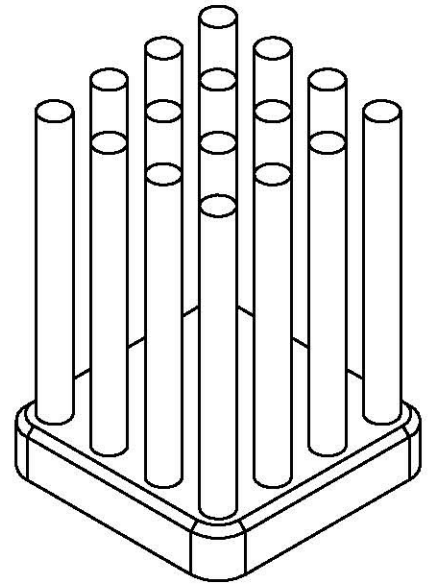
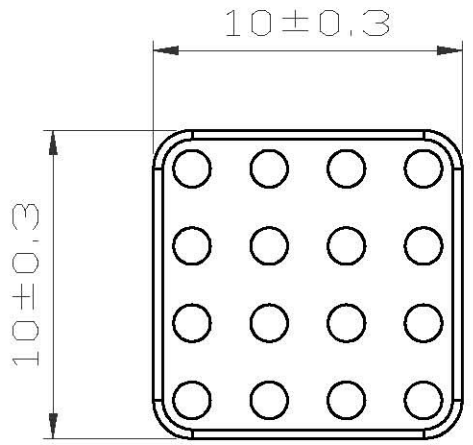
3. CU1100 optional for pin fin

SPECIFICATION

SERIES	L X W (mm)	H (mm)	Fin
SL07002	7x7	14	PIN
SL10002	10x10	14	PIN
SL12001	12x12	11,14,17,20,22	LINE
SL13001	13x13	11,14,17,20,22	LINE
SL14001	14x14	11,14,17,20,22	LINE
SL14002	14x14	11,14,17,20,22	PIN
SL15001	15x15	11,14,17,20,22	LINE
SL16002	16x16	11,14,17,20,22,27,32	PIN
SL16003	16x16	11,14,17,20,22,27,32	ELLIPTIC
SL17002	17x17	11,12,14,17,20,22,27,32	PIN
SL17003	17x17	11,14,17,20,22,27,32	ELLIPTIC

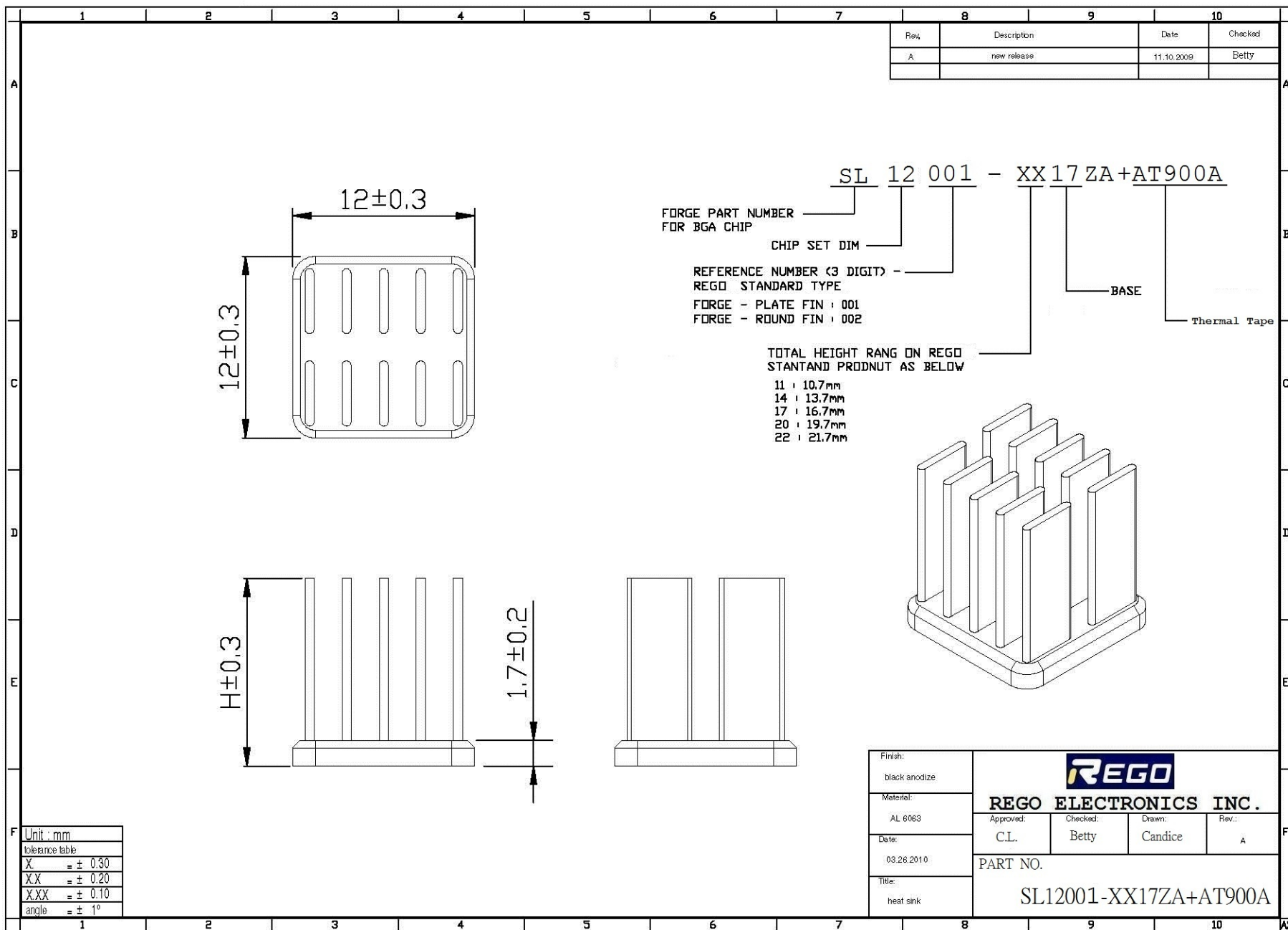


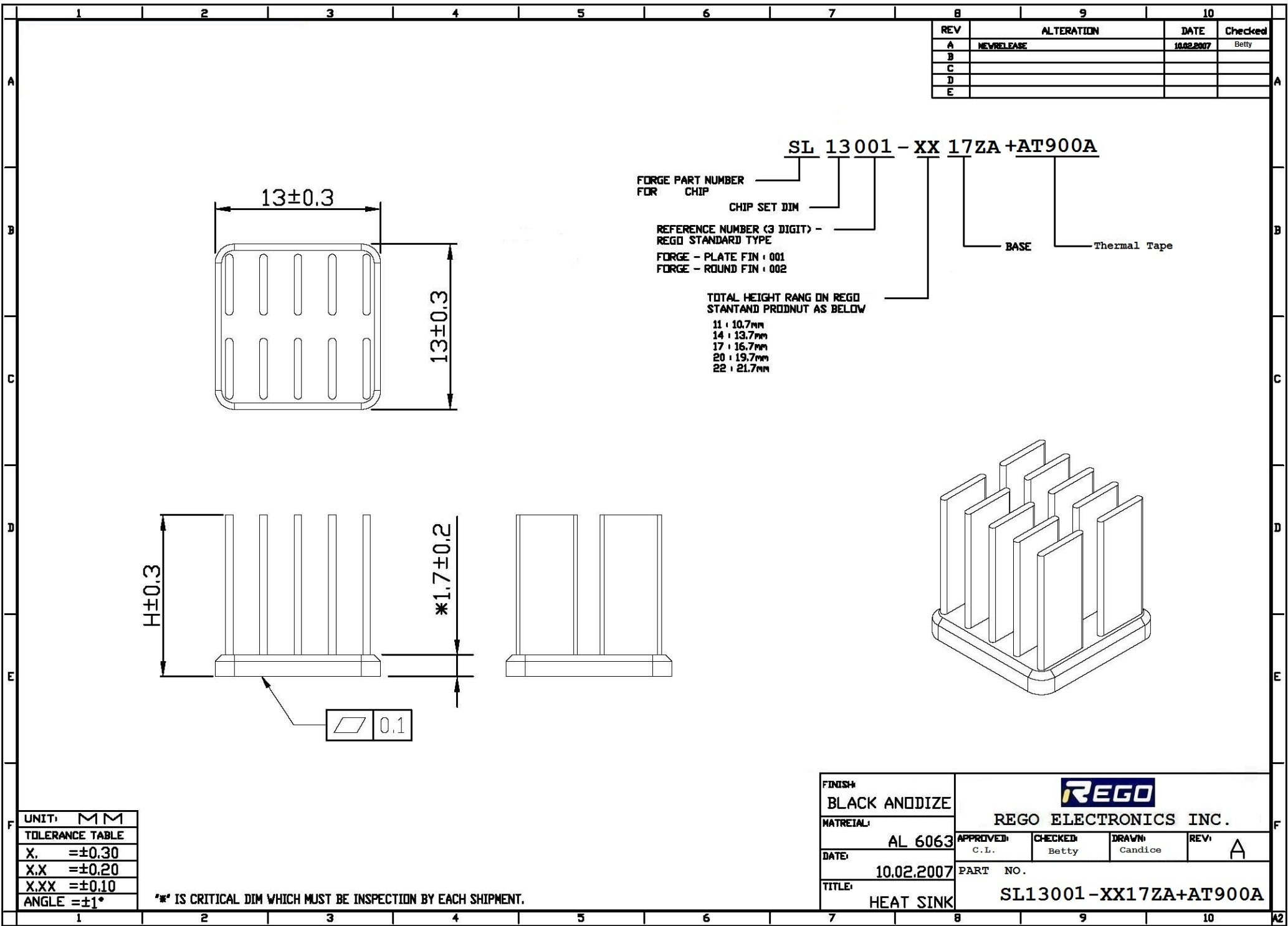
Rev.	Description	Date	Checked
A	new release	04.30.2009	Betty



Unit:	MM
Tolerance table	
X.	=±0.30
X.X	=±0.20
X.XX	=±0.10
Angle	=±1°

Finish:				
Material:	REGO ELECTRONICS INC.			
AL 6063	Approved:	Checked:	Drawn:	Rev.:
	C.L.	Betty	Candice	A
Date:	PART NO.			
04.30.2009	SL10002-1420ZA+AT900A			
Title:				
heat sink				



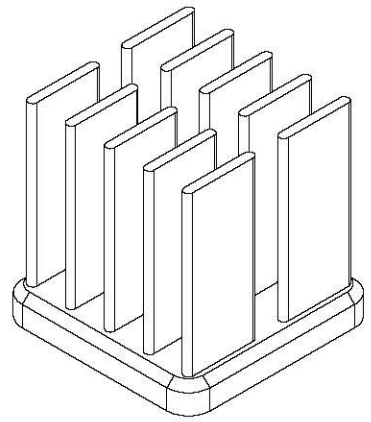
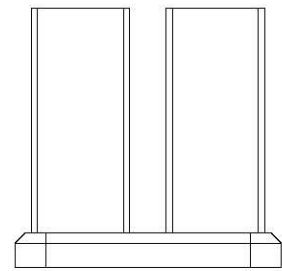
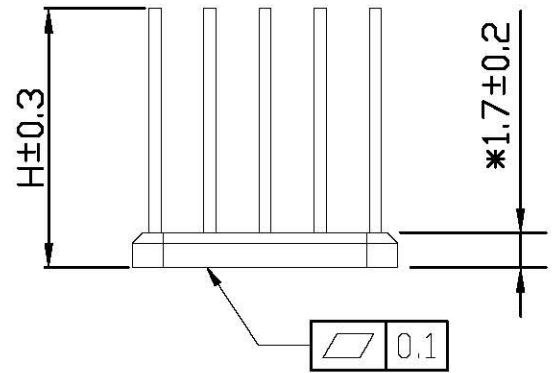


REV	ALTERATION	DATE	Checked
A	NEW RELEASE	10.02.2007	Betty
B			
C			
D			
E			

SL 13001 - XX 17ZA +AT900A

FORGE PART NUMBER FOR CHIP
CHIP SET DIM
REFERENCE NUMBER (3 DIGIT) - REGO STANDARD TYPE
FORGE - PLATE FIN : 001
FORGE - ROUND FIN : 002
BASE
Thermal Tape

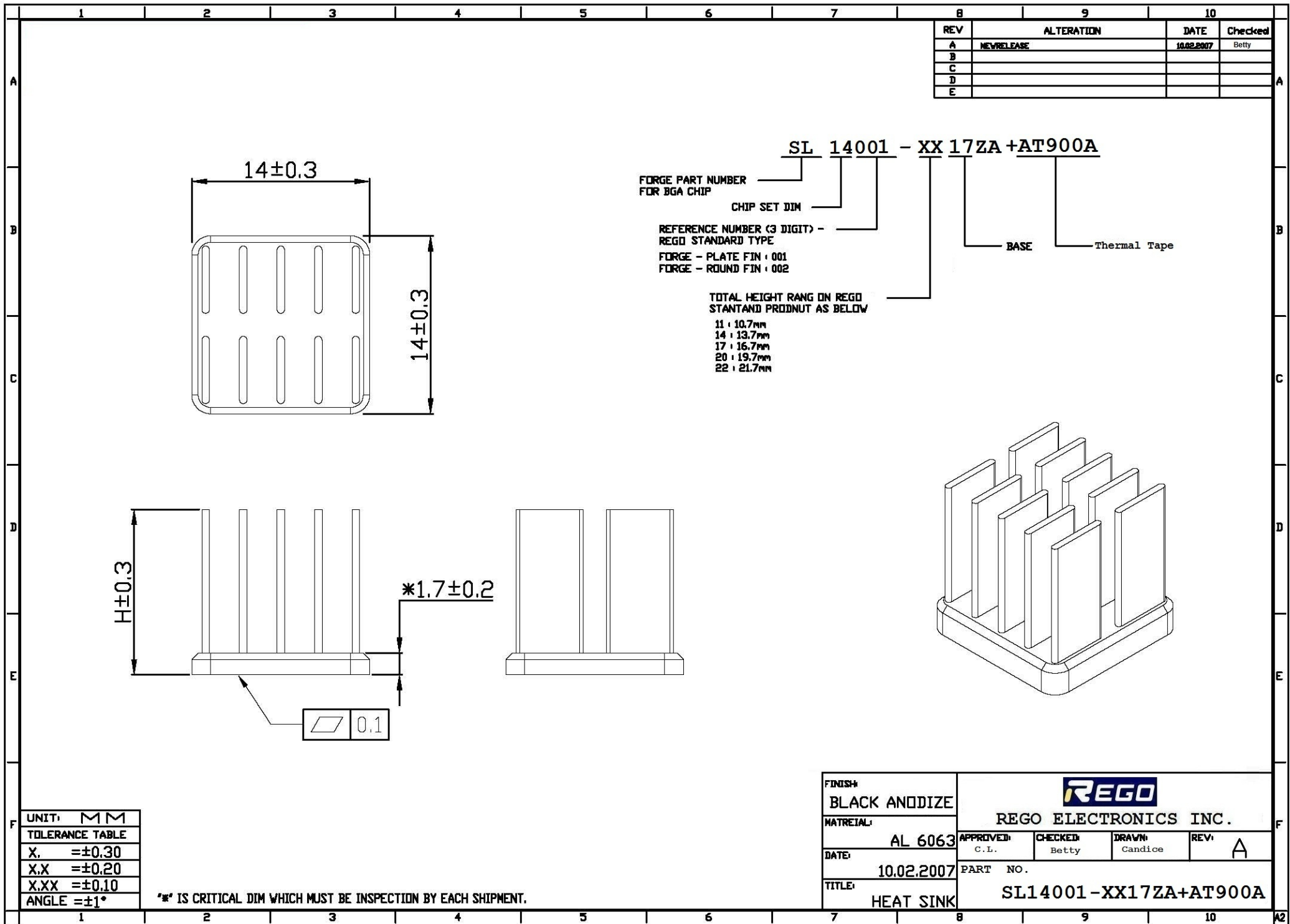
TOTAL HEIGHT RANG ON REGO STANTAND PRODNUT AS BELOW
11 : 10.7mm
14 : 13.7mm
17 : 16.7mm
20 : 19.7mm
22 : 21.7mm



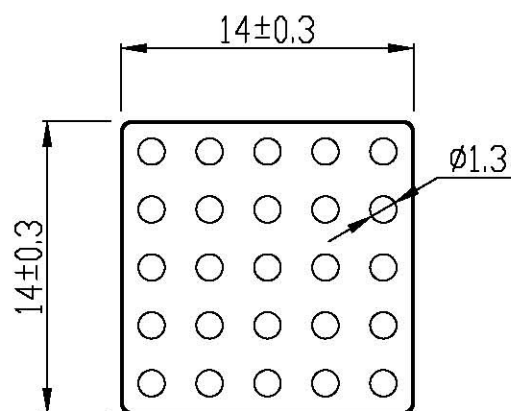
UNIT:	MM
TOLERANCE TABLE	
X.	=±0.30
X.X	=±0.20
X.XX	=±0.10
ANGLE	=±1°

*" IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

FINISH: BLACK ANODIZE	 REGO ELECTRONICS INC.			
MATREIAL: AL 6063	APPROVED: C.L.	CHECKED: Betty	DRAWN: Candice	REV: A
DATE: 10.02.2007	PART NO. SL13001-XX17ZA+AT900A			
TITLE: HEAT SINK				



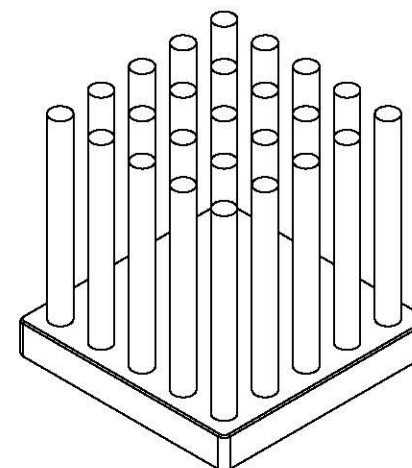
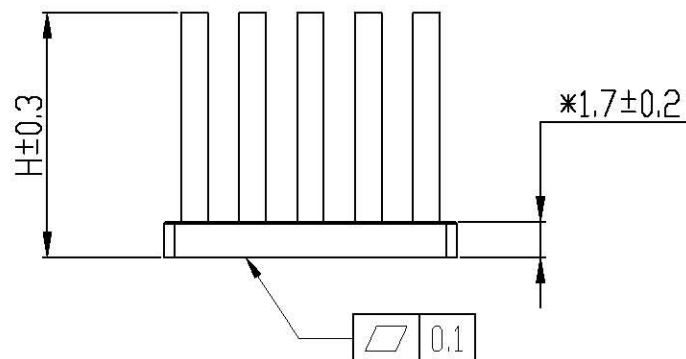
REV	ALTERATION	DATE	Checked
A	NEW RELEASE	12.12.2007	Betty
B			
C			
D			
E			



SL 14 002 - XX 17ZA+AT900A
 FORGE PART NUMBER FOR BGA CHIP
 CHIP SET DIM
 REFERENCE NUMBER (3 DIGIT) - REGO STANDARD TYPE
 FORGE - PLATE FIN : 001
 FORGE - ROUND FIN : 002
 BASE Thermal Tape

TOTAL HEIGHT RANG ON REGO STANTAND PRODNUT AS BELOW

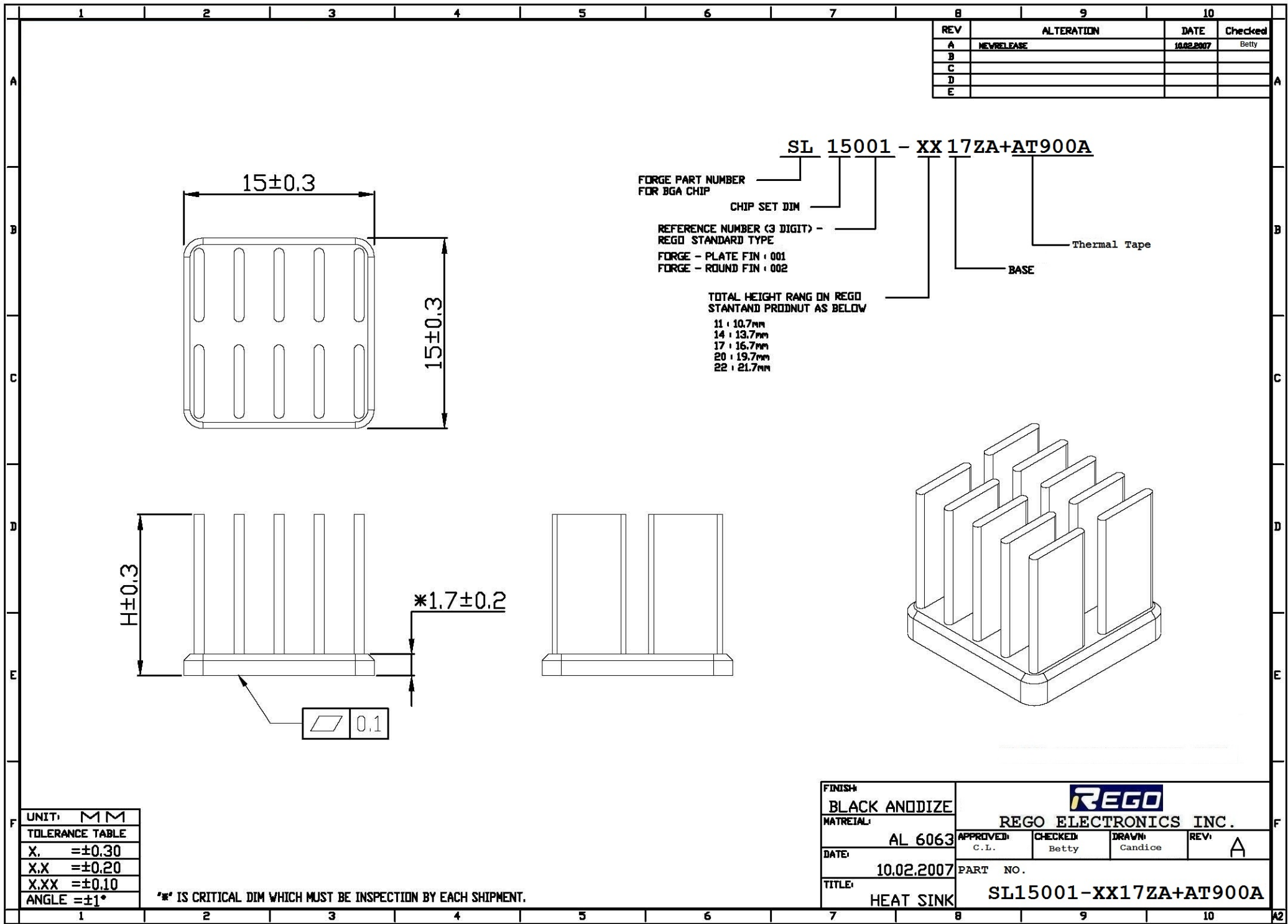
11 : 10.7mm
 14 : 13.7mm
 17 : 16.7mm
 20 : 19.7mm
 22 : 21.7mm



UNIT:	MM
TOLERANCE TABLE	
X.	±0.30
XX	±0.20
XXX	±0.10
ANGLE	±1°

*" IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

FINISH: BLACK ANODIZE	 REGO ELECTRONICS INC.			
MATERIAL: AL 6063	APPROVED: C.L.	CHECKED: Beety	DRAWN: Candice	REV: A
DATE: 12.12.2007	PART NO. SL14002-XX17ZA+AT900A			
TITLE: HEAT SINK				



REV	ALTERATION	DATE	Checked
A	NEW RELEASE	10.02.2007	Betty
B			
C			
D			
E			

FINISH:	BLACK ANODIZE			
MATRIEAL:	AL 6063	REGO ELECTRONICS INC.		
DATE:	10.02.2007	APPROVED:	CHECKED:	DRAWN:
		C.L.	Betty	Candice
TITLE:	HEAT SINK	REV:	A	
		PART NO.	SL15001-XX17ZA+AT900A	

REV	ALTERATION	DATE	Checked
A	NEW RELEASE	10.02.2007	Betty
B			
C			
D			
E			

SL 16 002 - XX 23ZA+AT900A

FORGE PART NUMBER
FOR BGA CHIP

CHIP SET DIM

REFERENCE NUMBER (3 DIGIT) -
REGO STANDARD TYPE

FORGE - PLATE FIN : 001

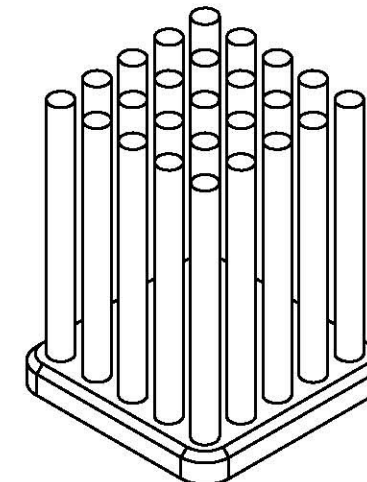
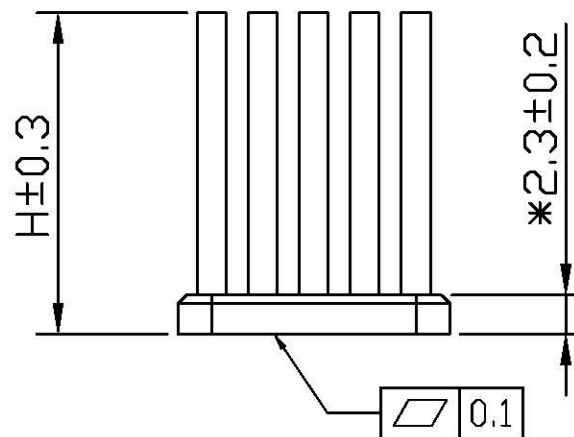
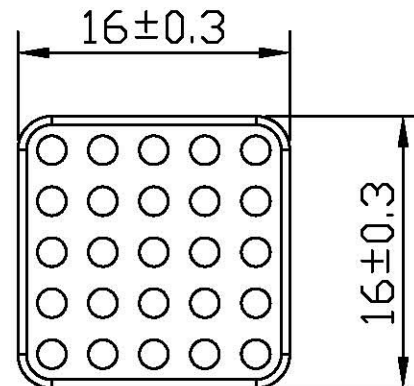
FORGE - ROUND FIN : 002

Thermal Tape

BASE

TOTAL HEIGHT RANG ON REGO
STANDARD PRODUCT AS BELOW

11 : 11.3mm
14 : 14.3mm
17 : 17.3mm
20 : 20.3mm
22 : 22.3mm
27 : 27.3mm
32 : 32.3mm

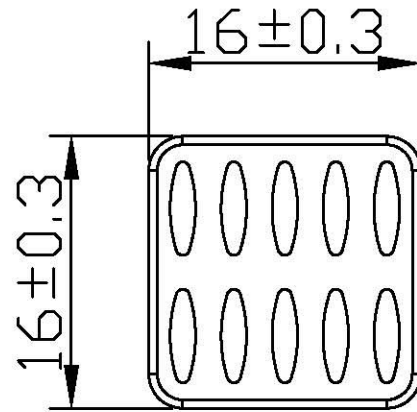


UNIT:	MM
TOLERANCE TABLE	
X.	=±0.30
X.X	=±0.20
X.XX	=±0.10
ANGLE	=±1°

* IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

FINISH:	BLACK ANODIZE	 REGO ELECTRONICS INC.			
MATERIAL:	AL 6063	APPROVED:	C.L.	CHECKED:	Betty
DATE:	08.16.2007	DRAWN:	Candice	REV:	A
TITLE:	HEAT SINK	PART NO.	SL16002-XX23ZA+AT900A		

REV	ALTERATION	DATE	Checked
A	NEW RELEASE	08.16.2007	Betty
B			
C			
D			
E			



SL 16 003 - XX 23ZA+AT900A

FORGE PART NUMBER FOR BGA CHIP

CHIP SET DIM

REFERENCE NUMBER (3 DIGIT) - REGO STANDARD TYPE

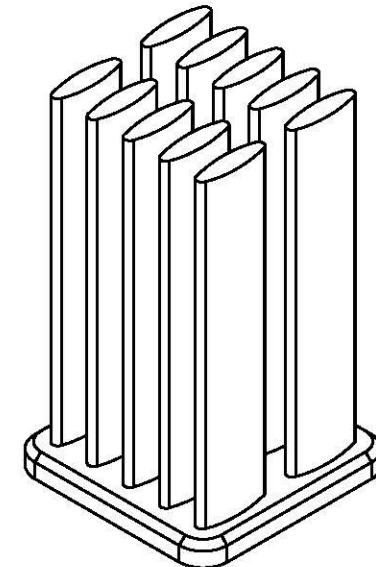
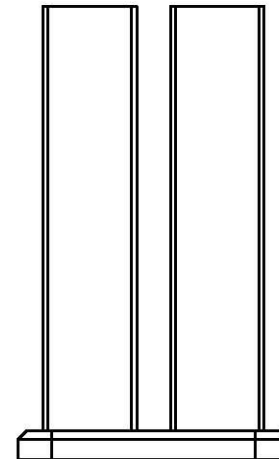
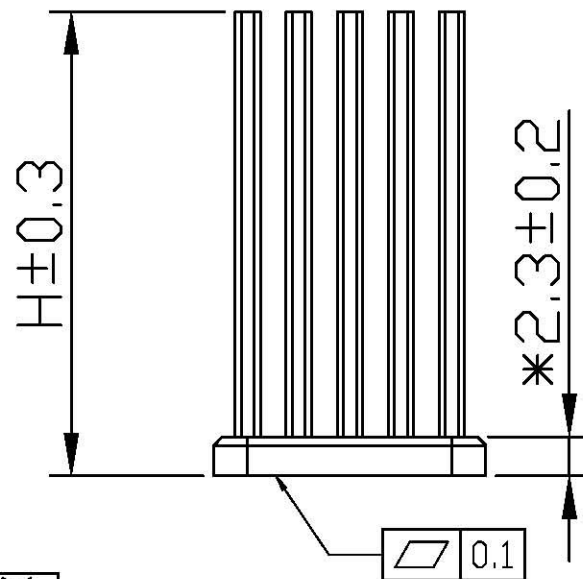
FORGE - PLATE FIN : 001
 FORGE - ROUND FIN : 002
 FORGE - ELLIPTIC FIN : 003

TOTAL HEIGHT RANG ON REGO STANTAND PRODNUIT AS BELOW

11 : 11.3mm
 14 : 14.3mm
 17 : 17.3mm
 20 : 20.3mm
 22 : 22.3mm
 27 : 27.3mm
 32 : 32.3mm

Thermal Tape

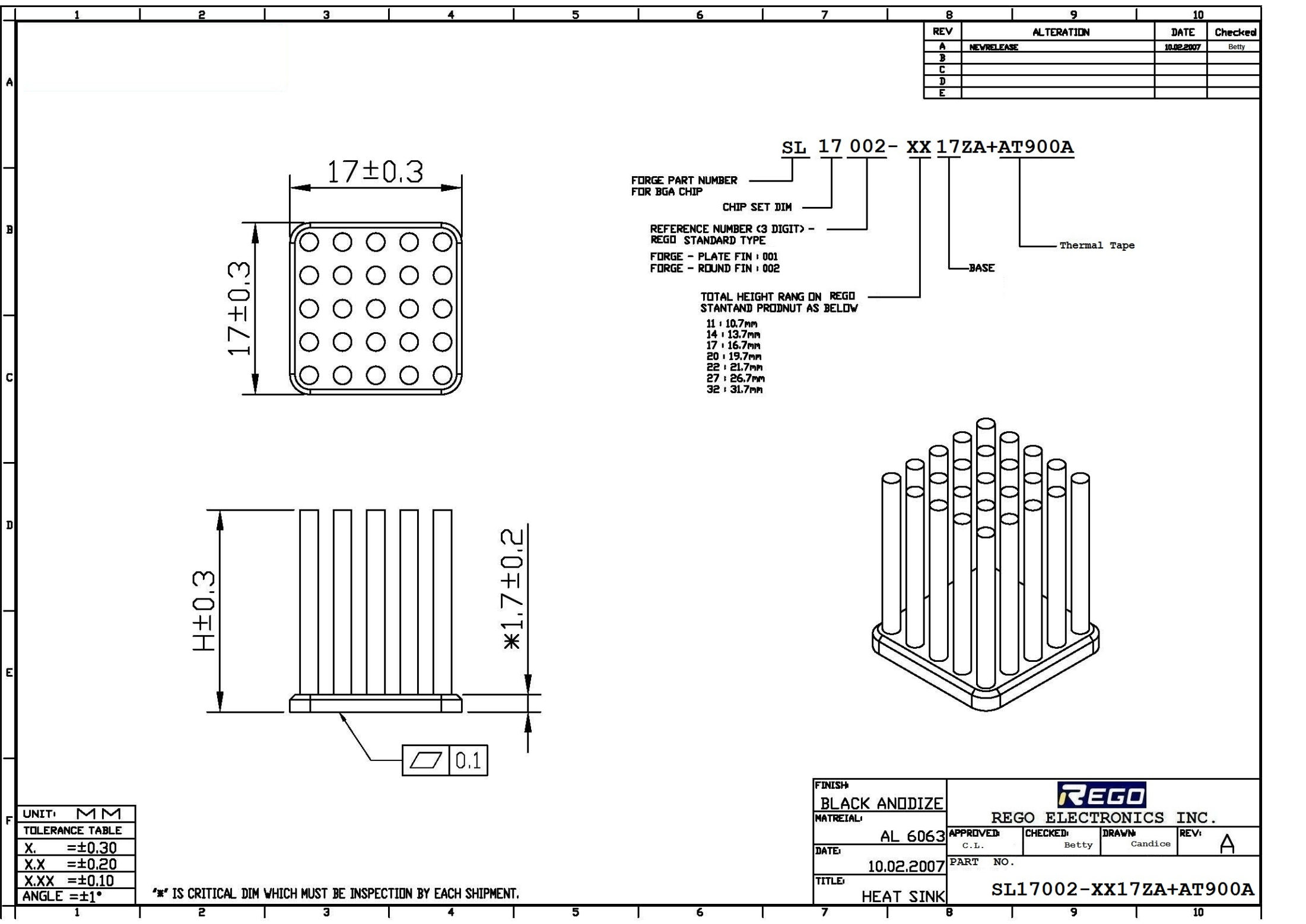
BASE



UNIT:	MM
TOLERANCE TABLE	
X.	±0.30
X.X	±0.20
X.XX	±0.10
ANGLE	±1°

* IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

FINISH:	BLACK ANODIZE				
MATREIAL:	AL 6063	REGO ELECTRONICS INC.			
DATE:	08.16.2007	APPROVED:	CHECKED:	DRAWN:	REV:
		C.L.	Betty	Candice	A
TITLE:	HEAT SINK	PART NO. SL16003-XX23ZA+AT900A			



REV	ALTERATION	DATE	Checked
A	NEW RELEASE	10.02.2007	Betty
B			
C			
D			
E			

SL 17 002- XX 17ZA+AT900A

FORGE PART NUMBER
FOR BGA CHIP

CHIP SET DIM

REFERENCE NUMBER (3 DIGIT) -
REGO STANDARD TYPE

FORGE - PLATE FIN : 001

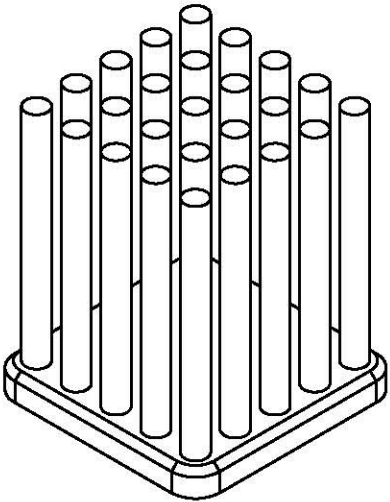
FORGE - ROUND FIN : 002

Thermal Tape

BASE

TOTAL HEIGHT RANG ON REGO
STANTAND PRODNUT AS BELOW

- 11 : 10.7mm
- 14 : 13.7mm
- 17 : 16.7mm
- 20 : 19.7mm
- 22 : 21.7mm
- 27 : 26.7mm
- 32 : 31.7mm

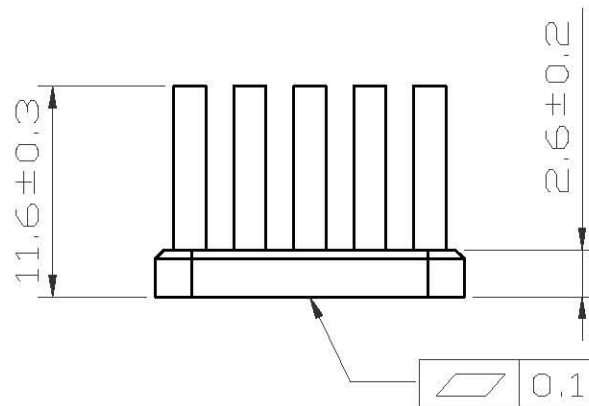
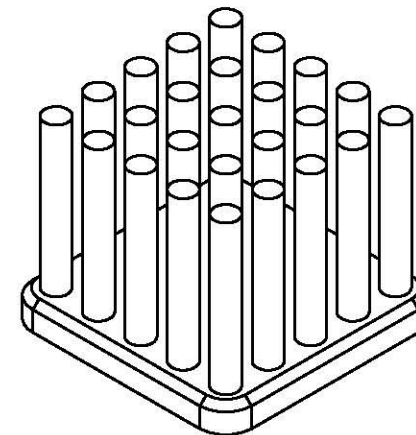
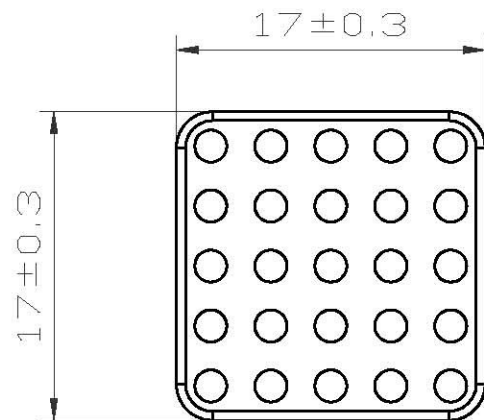


UNIT:	MM
TOLERANCE TABLE	
X.	=±0.30
X.X	=±0.20
X.XX	=±0.10
ANGLE	=±1°

*" IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

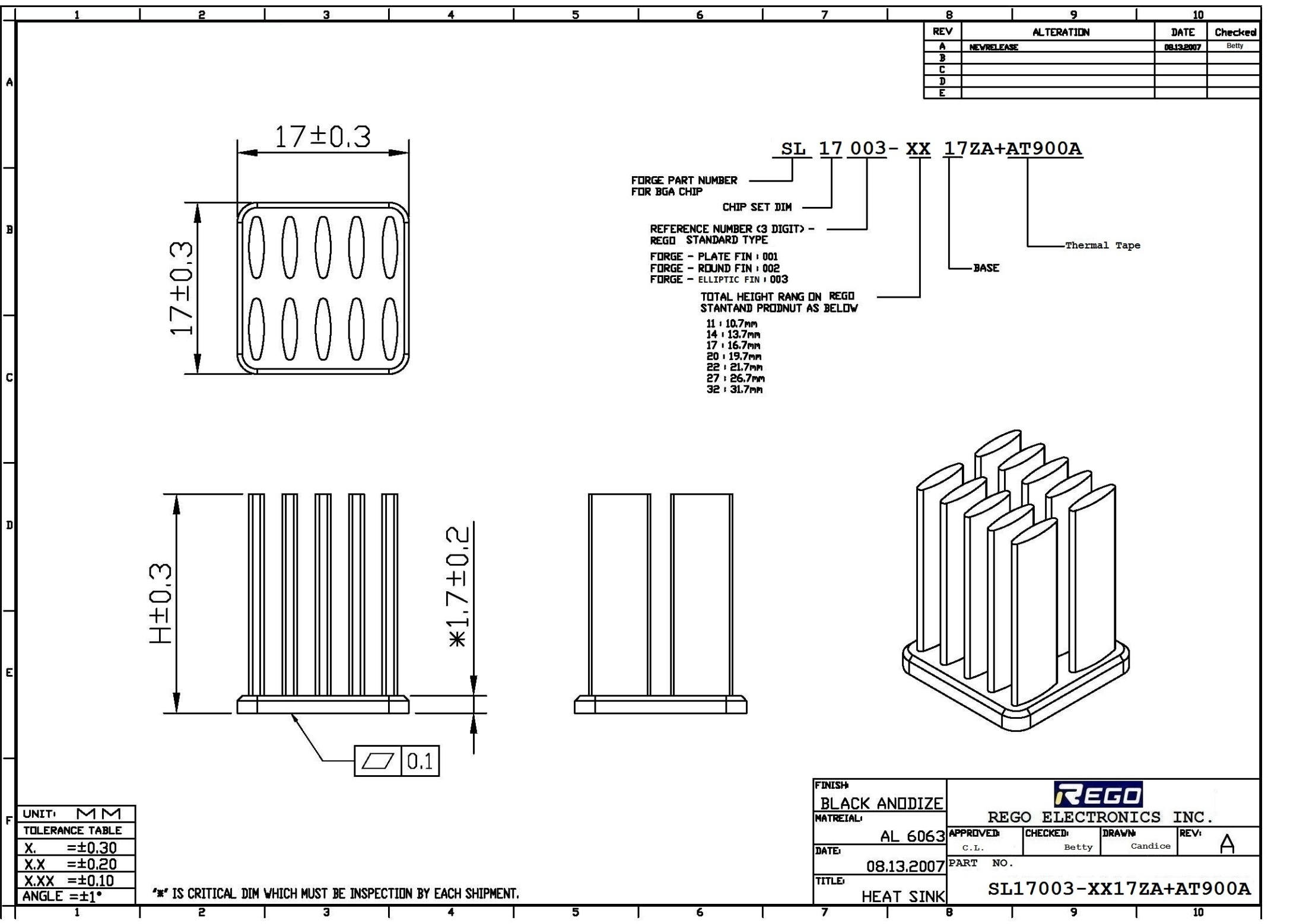
FINISH:	BLACK ANODIZE				
MATREIAL:	AL 6063	REGO ELECTRONICS INC.			
DATE:	10.02.2007	APPROVED:	CHECKED:	DRAWN:	REV:
		C.L.	Betty	Candice	A
TITLE:	HEAT SINK	PART NO. SL17002-XX17ZA+AT900A			

Rev.	Description	Date	Checked
A	new release	10.20.2009	Betty



Finish: black anodize	 REGO ELECTRONICS INC.			
Material: AL 6063	Approved:	Checked:	Drawn:	Rev.:
Date: 10.20.2009	C.I.	Betty	Candice	A
Title: heat sink	PART NO. SL17002-1226ZA+AT900A			

Unit: mm
tolerance table
X. = ± 0.30
X.X = ± 0.20
X.XX = ± 0.10
angle = ± 1°



REV	ALTERATION	DATE	Checked
A	REVRELEASE	08.13.2007	Betty
B			
C			
D			
E			

SL 17 003- XX 17ZA+AT900A

FORGE PART NUMBER FOR BGA CHIP

CHIP SET DIM

REFERENCE NUMBER (3 DIGIT) - REGO STANDARD TYPE

FORGE - PLATE FIN : 001

FORGE - ROUND FIN : 002

FORGE - ELLIPTIC FIN : 003

TOTAL HEIGHT RANG ON REGO STANTAND PRODUT AS BELOW

11 : 10.7mm

14 : 13.7mm

17 : 16.7mm

20 : 19.7mm

22 : 21.7mm

27 : 26.7mm

32 : 31.7mm

BASE

Thermal Tape

UNIT:	MM
TOLERANCE TABLE	
X.	=±0.30
X.X	=±0.20
X.XX	=±0.10
ANGLE	=±1°

* IS CRITICAL DIM WHICH MUST BE INSPECTION BY EACH SHIPMENT.

FINISH:	BLACK ANODIZE	 REGO ELECTRONICS INC.			
MATREIAL:	AL 6063	APPROVED:	CHECKED:	DRAWN:	REV:
DATE:	08.13.2007	C.L.	Betty	Candice	A
TITLE:	HEAT SINK	PART NO.	SL17003-XX17ZA+AT900A		