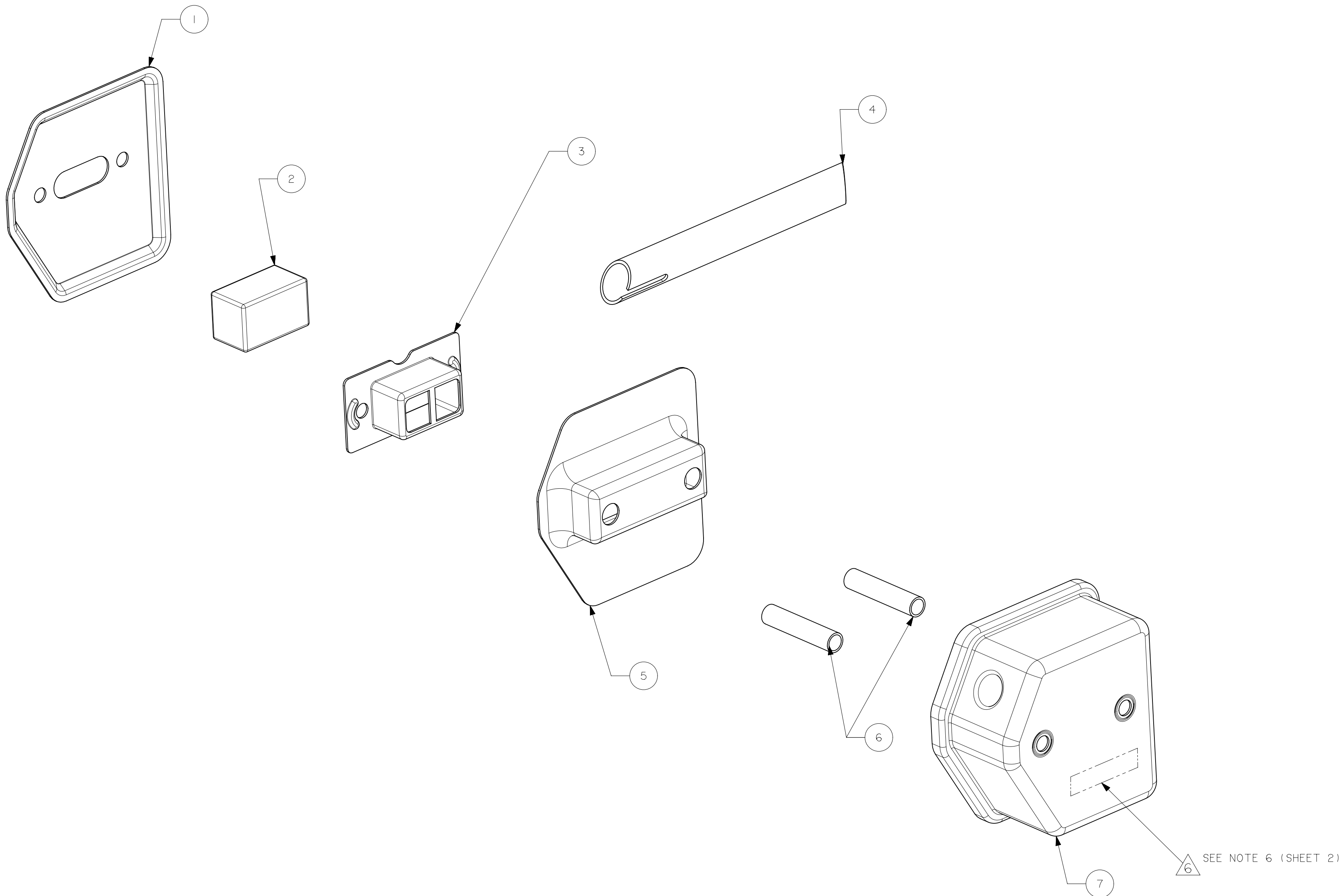


REV	CHANGE DESCRIPTION	ZONE	ECN #	DATE	APV BY
07	DESIGN RELEASE		ECN-HFE009900	09/19/18 DANNIE	JEFF 11/12/18

STANDARD TOLERANCE GRADES	
(ISO 286-1:1988)	
DIMENSION RANGE	IT 12
0-3	±0.05
3-6	±0.06
6-10	±0.08
10-18	±0.09
18-30	±0.11
30-50	±0.13
50-80	±0.15
80-120	±0.18
120-180	±0.20
180-250	±0.23
250-315	±0.26
315-400	±0.29
400-500	±0.32
500-630	±0.35
630-800	±0.40
800-1000	±0.45

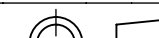


PART FAMILY CHART				
PART #	CATALYST#			SPARK ARRESTOR #
	ITEM 2#	CAT SUPPLIER	REFER TO CAT DRAWING	
309327001	600822004	HERAEUS	17x18x30	900992009
309327009	600822004	HERAEUS	17x18x30	900992019
309327012	600822014	OXIN	17x18x30	900992019
309327013	600822010	WEIFU	17.5x17.5x30	900992019

MEMBERS OF FAMILY MUST MATCH REVISION LEVEL OF MASTER PART FILE
THIS FILE CONTAINS "FAMILY TABLE MASTER PART FILE" USED TO GENERATE THE FOLLOWING LISTED PART FAMILIES.

REVISIONS TO THIS FILE TO BE ACCOMPLISHED
ONLY BY TRAINED DESIGNERS.

7	638442008	I	MUFFLER COVER	63844200800099	
6	638433007	2	MUFFLER SPACER	63843300700099	
5	900992009	I	SPARK ARRESTOR	90099200900099	SEE TABLE 2
4	638191003	I	MUFFLER TUBE	63819100300099	
3	638172010	I	CATALYST HOLDER	63817201000099	
2	600822004	I	CATALYST, KNITTED WIRE	60082200400099	SEE TABLE 2
I	638526003	I	MUFFLER BODY	63852600300099	
ITEM	CN ORA PN	QTY	PART NAME	PLM ID	REMARK

 CONFIDENTIAL THIS DRAWING IN DETAIL IS THE PROPERTY OF TECHTRONIC INDUSTRIES COMPANY LIMITED. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	Techtronic Industries Co. Ltd.					METRIC		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		3RD ANGLE PROJECTION							
	DIMENSION & TOLERANCE: PER ASME Y14.5 - 2009		UNSPECIFIED DIMENSIONS REFERENCE CAD MODEL		CN ORA PIN 309327000		PART NAME MUFFLER ASSEMBLY \ 26CC BLOWER \ 38.1MM										
	PART & PROCESS MUST COMPLY WITH THE COMPANY REQUIREMENTS OF HAZARDOUS SUBSTANCE FREE.					SC SAP PIN											
	WEIGHT		DRAWN BY		DANNIE.ZHOU		MODEL NO.										
WEIGHT & TOLERANCE																	
COLOR		BU		OP		CAD TOOL		SCALE		SHEET		SIZE		P/LM ID		REV	
COLOR NAME, COLOR CHIP #						NX		1:1		1 OF 2		A1		CL00041285		07	

NOTES:

1. REFER TO COMPONENT DRAWING FOR INSPECTION CRITERIA

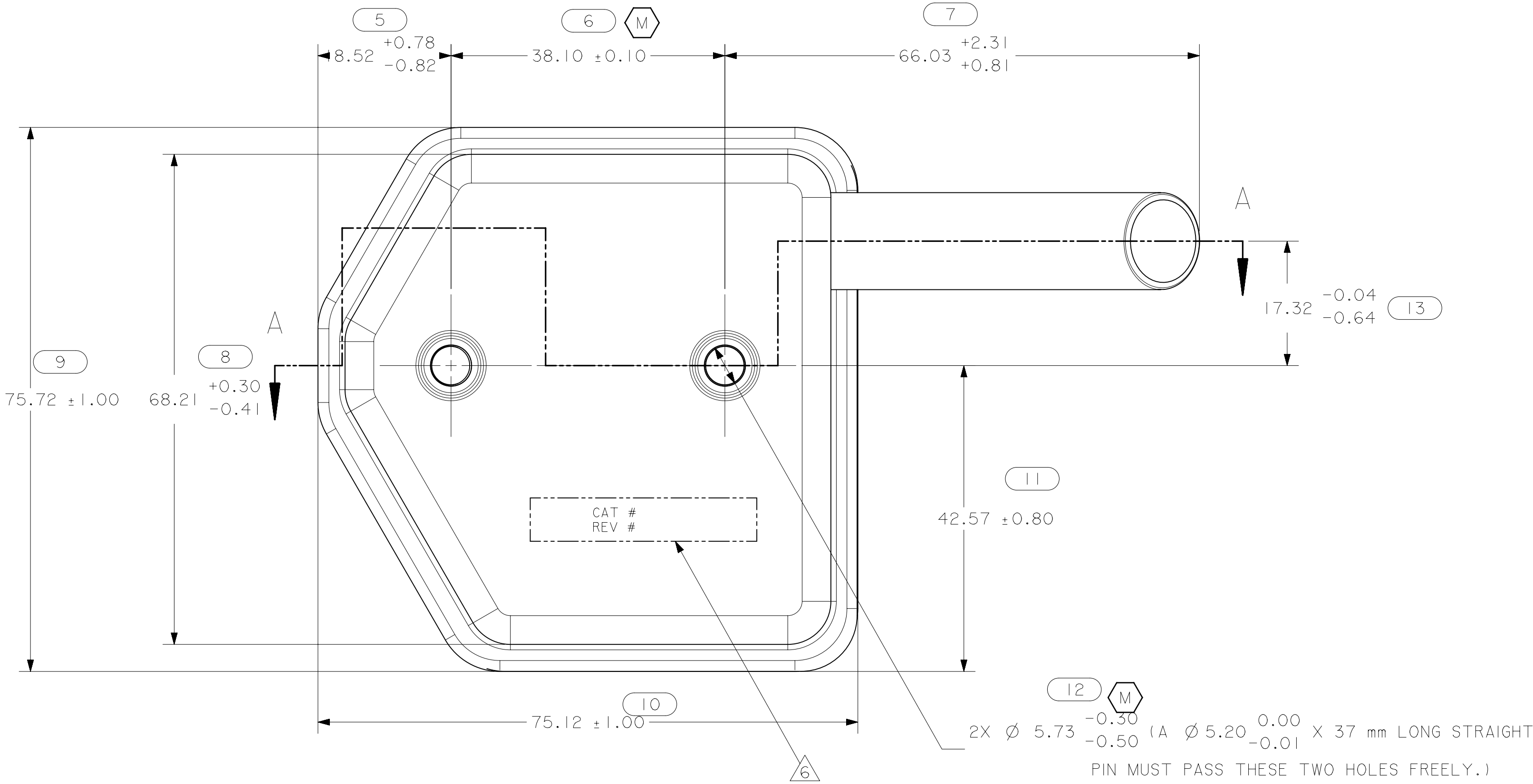
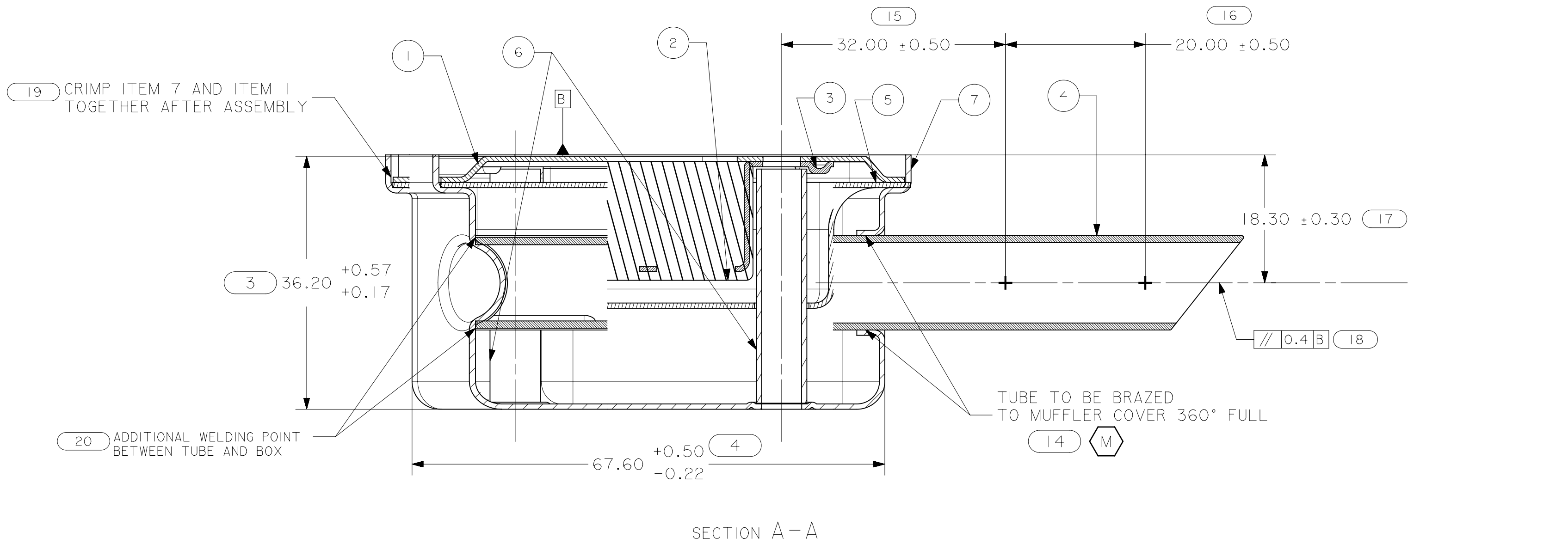
2. SEE QUALITY ASSURANCE FOR ADDRESSING CRITICAL AND MAJOR DIMENSIONS

TOTAL $\langle C \rangle$ THIS PAGE = 0

TOTAL  THIS PAGE = 1

TOTAL INSPECTION = 20

STANDARD TOLERANCE GRADES (ISO 286-1:1988)	
DIMENSION RANGE	IT 12
0-3	±0.05
3-6	±0.06
6-10	±0.08
10-18	±0.09
18-30	±0.11
30-50	±0.13
50-80	±0.15
80-120	±0.18
120-180	±0.20
180-250	±0.23
250-315	±0.26
315-400	±0.29
400-500	±0.32
500-630	±0.35
630-800	±0.40
800-1000	±0.45



- NOTES:
1. PART NEEDS TO COMPLY WITH HSF REQUIREMENTS AND HS RISK ASSESSMENT INSTRUCTION REFER TO DOCUMENT 01QSA0014.
 2. REFER TO COMPONENT DRAWING FOR INSPECTION CRITERIA.
 3. INDIVIDUAL COMPONENTS OF THE ASSEMBLY TO BE INSPECTED FOR CRITICAL AND/OR MAJOR DIMENSIONS ON EACH LOT RECEIVED.
 4. CRIMP MUFFLER BODY TO MUFFLER COVER AS SHOWN. PART TO BE TIGHT AND SHOULD NOT RATTLE. NO LEAKS PERMISSIBLE.
 5. MUFFLER TUBE MUST WITHSTAND PULL FORCE OF 120 kgf MINIMUM.
 6. STAMP MUFFLER "REV#" AND "CAT #" ONTO MUFFLER COVER PER AREA SHOWN. PART # & CAT # INFORMATION REFER TO TABLE 2 IN SHEET 1. CHARCTERS TO BE 3mm IN HEIGHT OR LASER PRINT.
 7. SEE QUALITY ASSURANCE FOR ADDRESSING CRITICAL AND MAJOR DIMENSIONS
- TOTAL THIS PAGE = 1
- TOTAL THIS PAGE = 8
- TOTAL INSPECTIONS = 20

REV	CHANGE DESCRIPTION	ZONE	ECN #	DATE	APV BY
07	DESIGN RELEASE		ECN-HFE009900	09/19/18 DANNIE	JEFF 11/12/18

Techtronic Industries Co. Ltd.		METRIC		UNLESS OTHERWISE SPECIFIED 3RD ANGLE	
CONFIDENTIAL		DIMENSION & TOLERANCE PER ASME Y14.5 - 2009		UNSPECIFIED DIMENSIONS REFERENCE CAD MODEL	
THIS DRAWING IN DESIGN AND DETAIL IS THE PROPERTY OF TECHTRONIC INDUSTRIES COMPANY LIMITED. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		CN GRA PIN		SC SAP PIN	
WEIGHT		DRAWN BY		MODEL NO.	
COLOR		BU		CAD TOOL	
COLOR NAME, COLOR CHIP #		OP		SCALE	
		NX		SHEET	
		1:1		2 OF 2	
		A1		SIZE	
		CL00041285		REV	
		07			