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RELEASED FOR PUBLICATION

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ABSOLUTE MAXIMUM RATINGS	SYMBOL	MIN	MAX	UNIT
STORAGE TEMPERATURE	Tstg	-40	85	°C
POWER SUPPLY INPUT VOLTAGE	Vdd	3.1	3.5	VDC
TOTAL SYSTEM CURRENT DRAW	Id	x	10	mA

ELECTRICAL CHARACTERISTICS	MIN	MAX	UNIT
ANALOG AUDIO OUTPUT SENSITIVITY	-25	-19	dBV
ANALOG AUDIO OUTPUT FREQ RANGE	100	10k	Hz

ENVIRONMENTAL CHARACTERISTICS	MIN	MAX	UNIT
OPERATING TEMPERATURE	-5	50	°C
RELATIVE HUMIDITY OPERATING, NON-CONDENSING ENVIRONMENT	5	95	%

ITEM: SENSOR	SENSOR PERFORMANCE
1: TEMPERATURE	-5°C TO +50°C±0.3°C ACCURACY, 1 SECOND ACQUISITION RATE
2: RELATIVE HUMIDITY	5% TO 95% RH, 2% ACCURACY, 1 SECOND ACQUISITION RATE
3: MOTION	INTERRUPT DRIVEN, RESPONSE <0.5 SECS.
4: AMBIENT LIGHT LEVELS	1 SECOND ACQUISITION RATE
5: MICROPHONE	INTERRUPT DRIVEN, RESPONSE <0.5 SECS.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN J. SHAFFER 10MAR2017

CHK C. GINGRICH 10MAR2017

APVD -

DIMENSIONS:

mm

MATERIAL

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.4

2 PLC ±0.25

3 PLC ±-

4 PLC ±-

ANGLES ±-

FINISH -

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PRODUCT SPEC

108-133092

APPLICATION SPEC

114-133092

WEIGHT

-

CUSTOMER DRAWING

NAME

TE Connectivity

AMBIMATE, MSM4 SENSOR MODULE, THRU HOLE - PIN HEADER

SIZE A2

CAGE CODE -

DRAWING NO

©-2314277

RESTRICTED TO

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SCALE 3:1

SHEET 1 OF 2

REV A

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE FOR PRODUCTION	07MAY2018	RS	MK

NOTES:

1. THIS PRODUCT HAS NOT COMPLETED VALIDATION TESTING,

2. MUST COMPLY WITH DIRECTIVE 2002/95/EC (ROHS).

3 SEPARATE LENS IS AVAILABLE UNDER TE P/N: 2317697-1.

4 PART NUMBER IS NOT RELEASED FOR PRODUCTION.

2314277-1 SHOWN

2314277-2 SHOWN

1-2314277-1 SHOWN

1-2314277-2 SHOWN

32.00

3

4

5

1

2

3

4

5

1

2

W/MICROPHONE, W/O HEADER

W/O MICROPHONE, W/O HEADER

W/MICROPHONE, W/HEADER

W/O MICROPHONE, W/HEADER

COMMENTS

A

A

7

7

REV

1-2314277-2

1-2314277-1

2314277-2

2314277-1

PART NO.

1471-9 (3/13)

