



LEOPARD IMAGING INC

LI-TX2B-IMX390-GMSL2-xxxH-X

Data Sheet

Key Features

- Nvidia Jetson TX2 SOM included
- Support up to six GMSL2 cameras
- Sony Diagonal 6.67mm (Type 1/2.7) CMOS RGGB Image Sensor IMX390
- Pixel size: 3.0 um x 3.0 um
- Lens: FOV H 60 / 120 / 200
- 1920x1080 resolution
- GMSL2 serializer and De-serializer included
- Connector: FAKRA Z TYPE
- Length of Fakra cable: 3 meters
- Multiple length Fakra cables supported
- M12 lens
- TX2 driver binary and source code included
- Part#:

(2 cam) **LI-TX2B-IMX390-GMSL2-xxxH-D**
 (4 cam) **LI-TX2B-IMX390-GMSL2-xxxH-Q**
 (6 cam) **LI-TX2B-IMX390-GMSL2-xxxH-H**

BOM

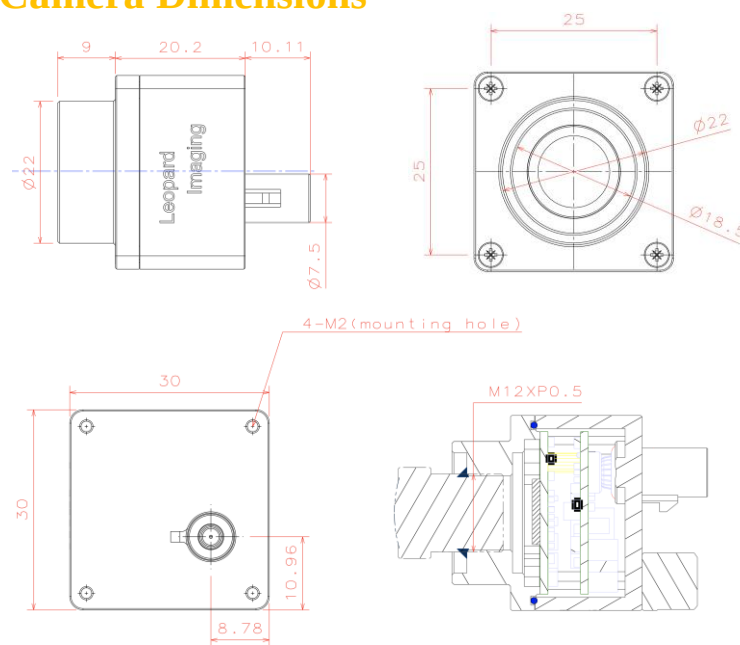
#	Items	QTY
1	LI-TX2-BOX1-GMSL2	1
2	FAK-SMZSMZ 3M	2,4 or 6
3	LI-IMX390-GMSL2-xxxH	2,4 or 6
4	LI-PS12-02	1



Application

- IoT camera
- Machine vision
- 1080P video applications

Camera Dimensions



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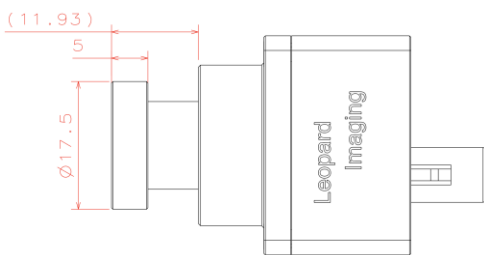
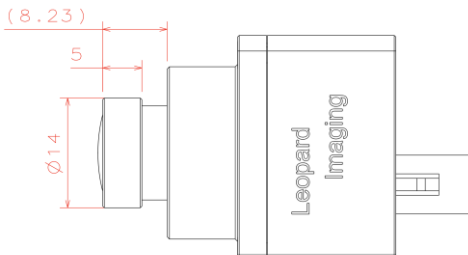
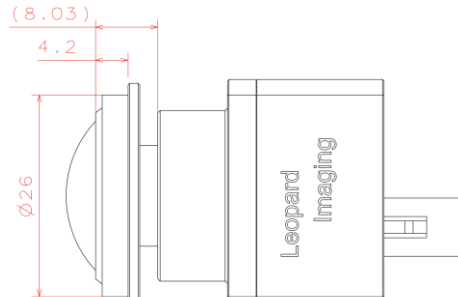
48820 Kato Rd, Suite 100B, Fremont, CA 95035, USA
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 Fax: +1-408-217-1960
 Email: sales@leopardimaging.com
 Website: www.leopardimaging.com

Ordering Information

Part#: LI-TX2B-IMX390-GMSL2-xxxH-X

Note:

xxxH - 060H: FOV H 60 °
 120H: FOV H 120 °
 200H: FOV H 200 °

LI-TX2B-IMX390-GMSL2-060H-X	LI-TX2B-IMX390-GMSL2-120H-X	LI-TX2B-IMX390-GMSL2-200H-X
		
Lens: M127B0618W Lens EFL: 6.0 mm FOV(D): 74.5° FOV(H): 60.6° FOV(V): 36.1°	Lens: M128B02820WM12R1 Lens EFL: 2.8 mm FOV(D): 148° FOV(H): 122° FOV(V): 74°	Lens: F132B0108WM12 Lens EFL: 1.08 mm FOV(D): 200° FOV(H): 200° FOV(V): 200°
		



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LI-TX2-BOX1-GMSL2

Technical details

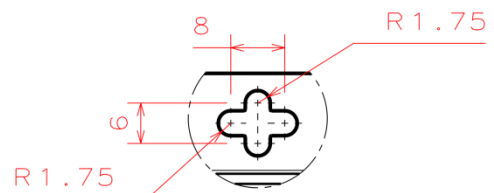
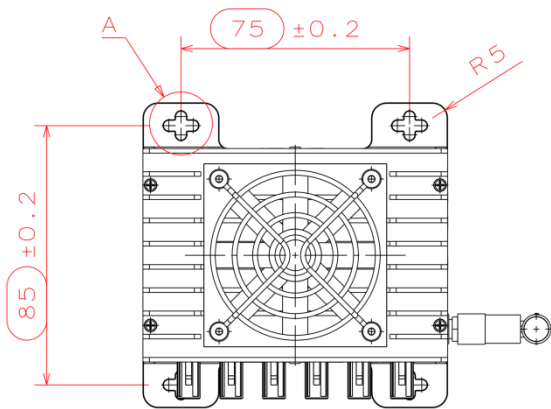
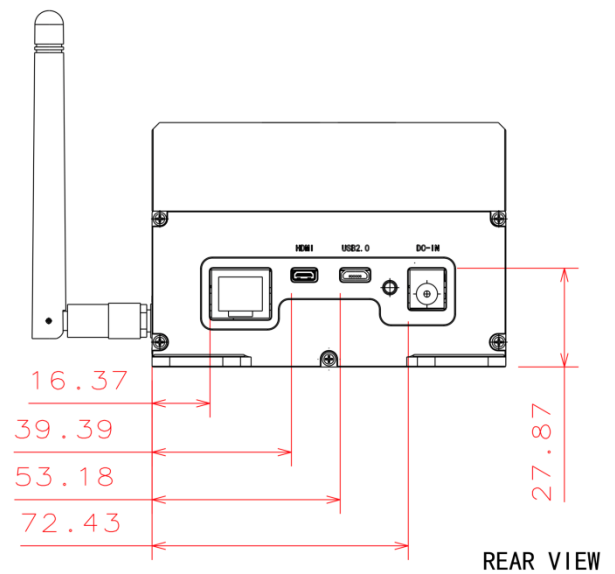
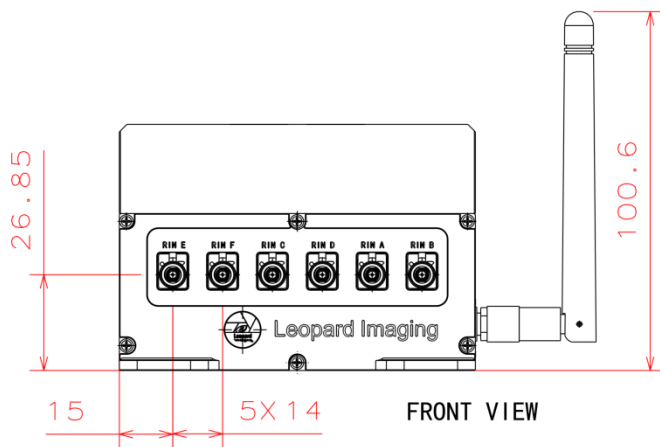
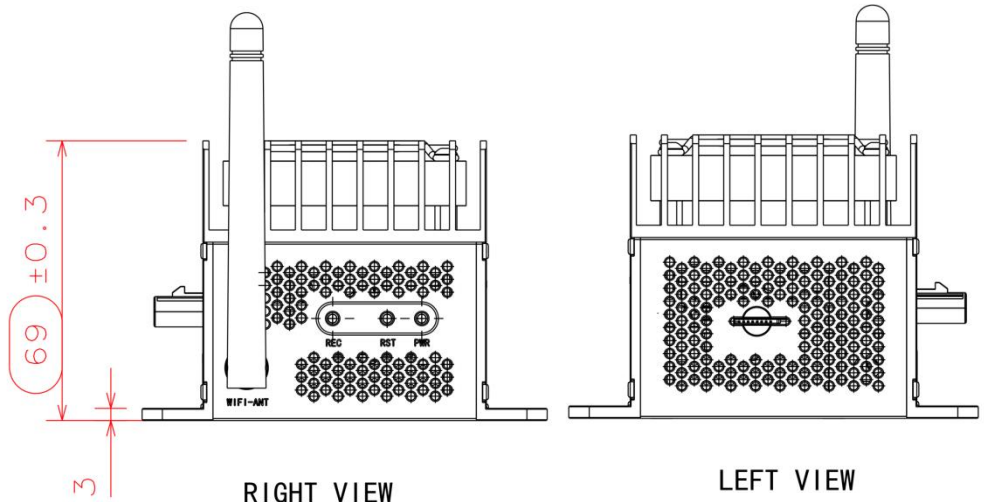
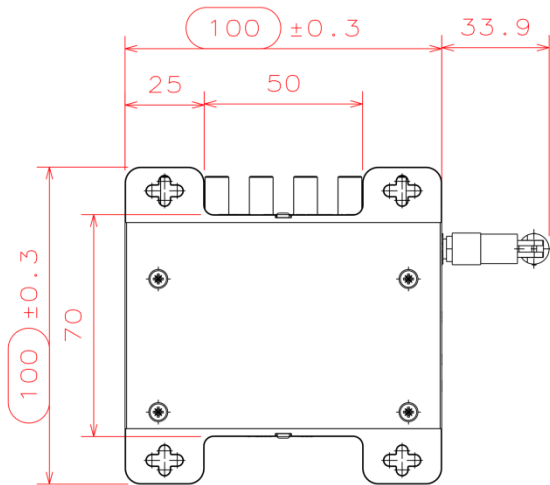
- Nvidia Jetson TX2 SOM included
- 6 GMSL2 interfaces
- 1 Micro SD card interface
- 1 Micro HDMI connector
- 1 Power socket (DC 12V)
- 1 RJ45 Ethernet connector
- 1 USB 2.0 micro B interface
- REC, RST and PWR buttons included
- Heat sink and fan included
- WIFI Antenna included
- Connector: FAKRA Z TYPE
- Includes 4 mounting holes
- Weight: 500g
- Size: 100mm x 100mm x 69mm
- Part#: **LI-TX2-BOX1-GMSL2**



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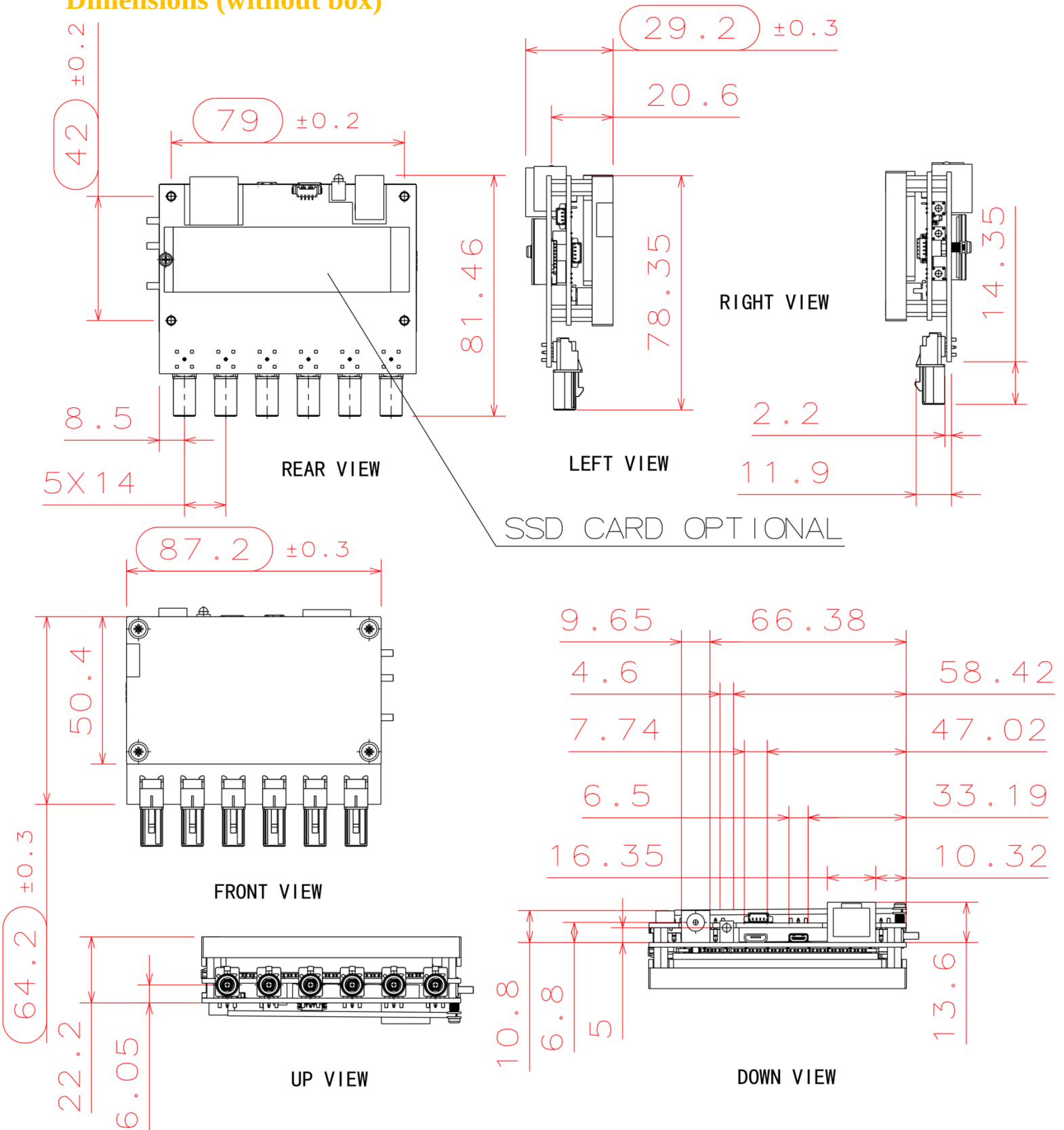
Dimensions (with box)



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Dimensions (without box)

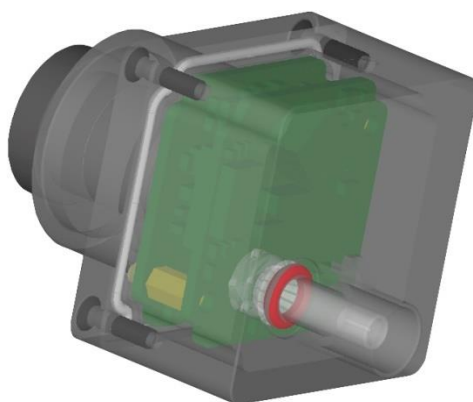


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LI-IMX390-GMSL2



Camera Spec	
Image Sensor	Sony Diagonal 6.67mm (Type 1/2.7) CMOS RGGB Image Sensor IMX390
Optical format	1/2.7"
Number of active pixels	1937 (H) x 1217 (V)
Pixel size	3.0um (H) x 3.0um (V)
Color or Mono	Color
FOV	60 / 120 / 200 (H)
Format	RAW data output without compression
Interface	GMSL2 Serial interface
Lens mount	M12
Weight	45 g
Operation Temp	-40 ~ 105 °C
Storage Temp	-40 ~ 125 °C
Water proof : IP67 (Up to IP69K) Lens must be glued	
▪ Metal Housing ▪ Water-proof M12 lens ▪ Sealed Gasket (White) ▪ Sealed O-ring (Red)	



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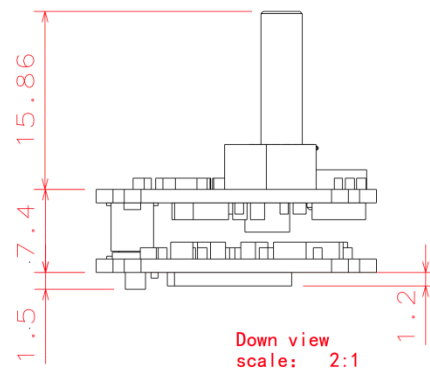
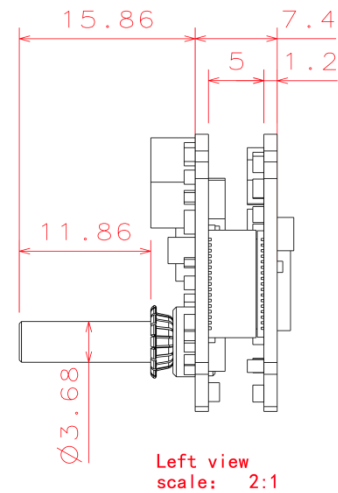
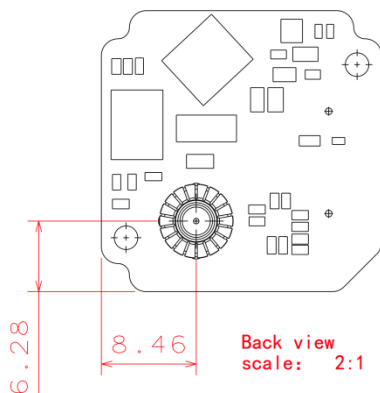
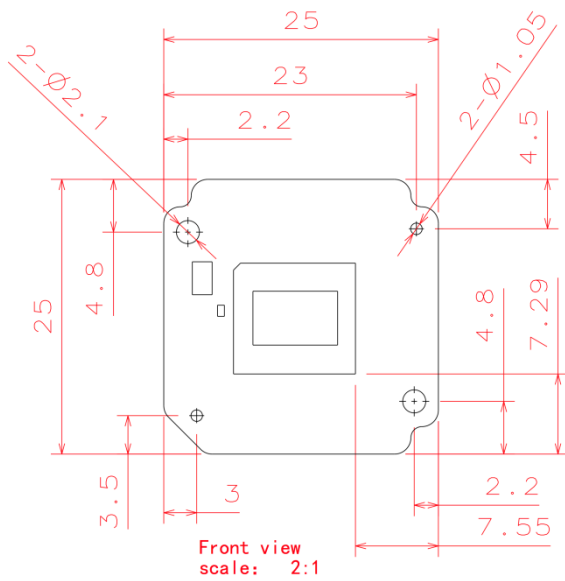
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Cable Connector

- Housing Connector-FAKRA Z Type
- Cable length: 3 meters
Support single Coax Cable transmit up to 12 meters
- Cable Part#: FAK-SMZSMZ-0008
FAKRA type connectors



Camera board dimensions



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Revision History

Revision	Description	Release Date
1.0	First Release	23. Dec. 2018



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