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Orderable: HALL-TRIGGER-EVM	Designed for: Public Release	Mod. Date: 11/2/2021	 http://www.ti.com © Texas Instruments 2021
TID #: TIDA-060032	Project Title: Contactless, Hall-effect variable-speed trigger reference	Sheet Title: Schematic	
Number: SENS094	Rev: A	Assembly Variant: 001	
SVN Rev: Version control disabled	File: SENS094A_Schematic.SchDoc	Size: B	
Drawn By: Mekre Mesganaw & Mitch	Contact: http://www.ti.com/support	Sheet: 1 of 2	
Engineer: Mekre Mesganaw			

H1
MECH
D33-N52 Magnet

H2
MECH
TriggerModule

H3
MECH
GC0360-026-0750 Spring

H4
MECH
BC22AAAW Battery Holder

H5
MECH
92942A711Nylon Screw

H6
MECH
92942A711Nylon Screw

H7
MECH
Nylon Hex Nut

H8
MECH
Nylon Hex Nut

DNP
FID1

DNP
FID2

DNP
FID3

PCB Number: SENS094
PCB Rev: A



PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

ZZ1
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ2
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ3
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

ZZ4
Assembly Note
Please place a 0-Ohm resistor or solder-bridge on pads 2 and 3 (the pads that don't have a dot next to them) of the 3-pad footprint at R14, R16, R17, and R18. If a 0-Ohm resistor is used, please use the RMCF0603ZT0R00 0-Ohm resistor part.

ZZ5
Assembly Note
Cut battery holder wire in half so that is not too long. The red wire should be soldered to the pad that has "B+" to the right of it and "B-" to the left of it. The black wire should be soldered to the pad that has "B-" to the right of it.

ZZ6
Assembly Note
Please solder the DRV5056(U6) so that approximately 5 mm of the leads are above the PCB.

Orderable: HALL-TRIGGER-EVM	Designed for: Public Release	Mod. Date: 12/11/2021
TID #: TIDA-060032	Project Title: Contactless, Hall-effect variable-speed trigger referen	
Number: SENS094	Rev: A	Sheet Title: Hardware
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 2 of 2
Drawn By: Mekre Mesganaw & Mitch	File: SENS094A_Hardware_SchDoc	Size: B
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