SPART SONETHING BHOP LEARN BLOG SUPPORT D LOG IN REGISTER PRODUCT MENU
 fin Q CCLEROMETER - HMA84520 ()⊞ 3-Axis MEMS Accelerometer - MMA8452Q © COM-10953 ROHS ✓ # DESCRIPTION FEATURES DOCUMENTS The MMAH42D is a smart low power, three-airs, capacitive MEMS accelerometer with 12 bits of insolutions. This accelerometer is packed with to be interrupt zins. Enclosed interrupt functional advector for any packet releving the bots processes from continuously poling data. The MMAH42DD size sententiable function affords of collegal-split power sample filtering the bots processes from continuously poling data. The MMAH42DD size sententiable function affords of collegal-split power sample filtering that any end as avoid that available real-time. The device came and remain is a low power mode dating periods of inachly. Check out the related items below for our MMA8452Q Breakout Board < 🐞 🛞 🔳 😔 images are CC BY 2.0 3-Axis MEMS Accelerometer - MMA8452Q Product Help and Resources TUTORIALS SKILLS NEEDED



COMMENTS (20) REVIEWS () Customer Comments

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MattTheGeek / about 6 years ago / 1/2 3 I have a (untested) breakout board for this. Email me for eagle files, etc.

8

h2ogeezr / about 6 years ago * / * 1 I am interested. Let me know. Thanks.

MattTheGeek / about 6 years ago / # 2 A product i suggested has been stocked!

SlyVbsky / about 6 years ago / # 2 ^b dard Question: Is there a breakout board planned for this part? and will this be replacing the MMA7361 currently stock?

RobertC. / about 6 years ago / *1

eakout board is in the works. I'm not sure about the MMA7361, I can't remember if this is a direct placement, or just another model. If anyone knows if the MMA7361 is EOL'd, let me know. rchell / about 6 years ago / 🖈 1

nen will the breakout board be available? I made a breakout board by myself (very proud!) but it iks kind of crispy and I'm not sure if it works...

PROBETC. / about 6 years ago / ★ 1
 No Idea really. It depends on how to goes in production and such. You never know until you go
through and design it if will work or not.

The processes of design if it is an work role.
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Member #141822 / about 5 years ago / ★ 1

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 wtzard23 / about 5 years ago / # 1

 I adapted the I2C library used in the example code to work with the new Arduino Leonardo which u

 ATMEGA32U4 instead of an ATMEGA328.

I've uploaded the changed i2c.h file to a bitbucket repository in case anyone else is interested in that: https://bitbucket.org/witzard23/arduinoleonardolibraries/src/39d528196aael/2c.h

If you just replace the I2c.h from the above Example Code then it should work on the andulno Leonardo (or any other ATMECA32Uk board) The only thing I had to change was the definitions of WRITE_sda and READ_sda because that pin is on a different port on the ATMEGA32U4.

afterism port on the ATMELEAU244. I used the sensor in my own design (khanks sparkfur for the eagle library (although I had to adapt it becaus the NC pins are not connected to the package and according to Freescale Application Note AN4077 you should connect durmy traces to the NC pins...)) and now I can already read the sensor values :]...thanks again to sparkin to this avecome code exampled

Member #282140 / about 5 years ago / * 1 I am trying to increase the control in it.

I am typing to increase the output data set to 800Hz for this sensor built doesn't seem to go beyond 10Hz. I have a logic analyzer connected to the interrupt pins to measure the interrupt generation rate. I am using the example code provided above, any ideas as to what could be going wrong or any similar experiences with this device?

davolfman / about 6 years ago / * 1 Isbould have policed the =1 -I should have noticed the picture scaling this against a quarter. My GOD this thing is tiny! Just to get it connected this ports to have to place it on a board with well under half a mm in accuracy in any given directed I think I'll wait on that for a couple years 'llil I think I'm competent enough to holpite solder surface mount components. I hink if you value your samity you should wait for a breakout board.

MattTheGeek / about 6 years ago / # 1 New breakout

Rusty14 / about 5 years ago / * 1 still have that breakout Eagle files?

h2ogeezr / about 6 years ago * / ★ 1 SEN-10955

tidma / about 6 years ago / ¥t 1 Can this package be soldered using gel flux, extended pads and drag soldering?

waynet: / about 6 years ago / ★ 1 Jast a note to Arduino users, Freescale's MMA845k series accelerometers won't work with the Wire library because these devices require the use of a repeated start.

Is there any (easy) way to use this accelerometer with arduino?

waynett / about 8 years ago / ★ 1
 Yes. This I2C Master Librarywas written because of this very problem while trying to interface to an
MMA84510.

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