New bosch sensor balcony

Connector low speed (1)

Analog (4)

Bosch BMP388 pressure sensors

Bosch BH4160 Smart Sensor hub

Bosch BM0455 Magnetometer

High speed (1)

Bosch BME680 Environmental

Bosch BM150 Accelerometer

Gpio 1.2

Gpio (b)

Gpio (c)

Gpio (d,e,f)

Dragon board

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Shiratech Solutions

Block Diagram

SRT-96B-MEZ-Bosch

Drawn By Ishay Kokavka

Saturday, September 29, 2018

Sheet 2 of 8
number of layers 4
board thickness 1.6mm

1) cs - signal
2) plan - gnd
3) plan - power
4) ps - signal

4 LAYERS CROSS SECTION
AND FILM SET

8.0 MILS
DIELECTRIC, Er: 3.8

42.0 MILS
DIELECTRIC, Er: 3.8

8.0 MILS
DIELECTRIC, Er: 3.8

1. 0.5 OZ. CU. TOP
2. 1.0 OZ. CU. GND
3. 1.0 OZ. CU. PWR
4. 0.5 OZ. CU. BOTTOM

RECOMMENDED: STACKUP, FINAL STACKUP TO BE DETERMINED BY VENDOR
LS EXPANSION CONNECTOR

from qualcom board  to next balcony

male connector (ps)
female connector (cs)

HS EXPANSION CONNECTOR

from qualcom board  to next balcony

male connector (ps)
female connector (cs)
BMP388
DIGITAL pressure sensor

BME680
gas, pressure, temp, humidity

BMA456
ACCELERATION DIGITAL TRIAXIAL
BHI160 (sensor bridge)

Geomagnetic SENSOR

Shiratech Solutions

SRT-96B-MEZ-Bosch

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Saturday, September 29, 2018
LEFT FOR MISC AND FUTURE REMARKS