Description

TRANSISTORS				
NPN General purpose SMD Imax=100mA, Vmax=45V	BCW71	SMD	SOT23	https://assets.nexperia.com/documents/data-sheet/BCW71_72.pdf
PNP General purpose SMD Imax=100mA, Vmax=45V	BCX71	SMD	SOT23	https://assets.nexperia.com/documents/data-sheet/BCX71.pdf
NPN General purpose Through hole Imax=100mA, Vmax=45V	BC547	TH	TO92	http://www.farnell.com/datasheets/59764.pdf
PNP General purpose Through hole Imax=100mA, Vmax=45V	BC557	TH	TO92	https://www.onsemi.com/pdf/datasheet/bc556b-d.pdf
NPN power transistor Imax=1,5A, Vmax=80V	BD139 BD140	TH TH	TO126 TO126	https://www.st.com/resource/en/datasheet/cd00001225.pdf https://www.st.com/resource/en/datasheet/cd00001225.pdf
PNP power transistor Imax=1,5A, Vmax=80V	BD140	тн	TO126	https://www.st.com/resource/en/datasheet/cd00001225.pdf
 DIODES				
General purpose, Vmax=50V	1N4001	SMD+TH	DO-214AC or 400 mil axial	https://www.vishay.com/docs/88503/1n4001.pdf
General purpose, Vmax=1000V	1N4007	SMD + TH	DO-214AC or 400 mil axial DO-214AB	https://www.vishay.com/docs/88503/1n4001.pdf https://www.tme.eu/Document/18957d45ba28b6f199fc9ec0825a2384/sk32.pdf
Schottky, Vmax=40V, Imax=3A Schottky, Vmax= 45V, Imax=5A	SK34 HTA5L45	SMD SMD	DO-214AB DO-214AC	https://www.tme.eu/Document/1895/d40ba28b6119909e6882ba2884/sk32.pdf https://www.farnell.com/datasheets/2864105.pdf
Schottky, vmax* 45v, imax*5A	HIADLAD	ZMD	DO-214AC	https://www.tameii.com/datasneets/2864a05.pdr
MOSFETS				
N type MOSFET, 3.3V logic level 100mA VDSmax=60V VGSmax=20V RDS=20hm	2N7002	SMD	SOT23	https://www.onsemi.com/pdf/datasheet/nds7002a-d.pdf
N type MOSFET, 3.3V logic level 6A VDSmax=20V VGSmax=12V RDS=0.02Ohm	IRLML6244	SMD	SOT23	https://www.farnell.com/datasheets/1749979.pdf
N type MOSFET, 3.3V logic level 90A VDSmax=60V VGSmax=20V RDS=0.0050hm	IPD048N06L3	SMD	TO252 (DPAK)	https://www.farnell.com/datasheets/1932563.pdf
P type MOSFET 5A VDSmax=20V VGSmax=8V RDS=0.05Ohm	SI2323	SMD	SOT23	https://www.farneil.com/datasheets/2049166.pdf
P type MOSFET 60A VDSmax=30V VGSmax=20V RDS=0.0040hm P type MOSFET 160mA VDSmax=60V VGSmax=20V RDS=20hm	SI7145 BSH201	SMD SMD	Powerpak SO8 SOT23	https://www.vishay.com/docs/64814/si7145dp.pdf https://assets.nexperia.com/documents/data-sheet/BSH201.pdf
Type Product Zooling Voorland Contract Voorland Zooling	5311202	31-10	30123	ntps// assessnesperancom/ documents/ data sneet/ assessper
 MOSFET drivers				
High side MOSFET driver <150V, lact=0,2mA	LTC7001	SMD	MSOP10	https://www.analog.com/media/en/technical-documentation/data-sheets/ltc7001.pdf
Power supply IC's  Regulator, fixed Vout=5V, Ig=8mA, Imax=1A, VinMax=35V	LM805	TH	TO220	https://www.ti.com/lit/ds/symlink/lm340.pdf
Regulator, fixed Vout=5V, Iq=8mA, Imax=1A, VinMax=35V Regulator, fixed Vout=12V, Iq=8mA, Imax=1A, VinMax=35V	LM 805 LM 7812	TH	TO220	https://www.ti.com/lit/ds/symlink/lm340.pdf https://www.ti.com/lit/ds/symlink/lm340.pdf
Series regulator, variable,Imin=3mA, Imax=1.5A	LM317	TH	TO220	https://www.ti.com/lit/ds/symlink/lm317.pdf
Low dropout regulator, fixed Vout=3.3V, Iq=0.5µA, VinMax=6V, Imax=100mA	TPS78233	SMD	SOT23-6	https://www.ti.com/lit/ds/symlink/tps782.pdf
Low dropout regulator, fixed Vout=3.3V, Iq=2µA, VinMax=12V, Imax=200mA	MCP1702-33	TH	TO92	https://www.microchip.com/en-us/product/MCP1702
Low dropout regulator, fixed Vout=3.3V, Iq=2µA, VinMax=12V, Imax=200mA	MCP1702-33	SMD	SOT89	https://www.microchip.com/en-us/product/MCP1702
Low dropout regulator, fixed Vout=3.3V, Iq=250µA, VinMax=18V, Imax=1200mA	LDL1117S33R	SMD	SOT223-3	https://www.farnell.com/datasheets/2259188.pdf
Buck converter, variable, Iq=5mA, Vmax=45V, Imax=3A, Vin=4,5V <-> 40V	LM2596	SMD	TS5B	https://www.ti.com/lit/ds/symlink/lm2596.pdf
Buck converter, variable, Iq=3mA, Vmax=36V, Imax=5A	TPS5450	SMD	SO8 powerpad	https://www.ti.com/lit/ds/symlink/tps5450.pdf
Buck converter, variable, Iq=15μA, Vinmin=4,5V Vinmax=24V, Imax=0,6A	MAX1776	SMD		https://datasheets.maximintegrated.com/en/ds/MAX1776.pdf
Buck converter, variable, Iq=25μA, Vinmax=5V, Imax=1A or 2A, no dropout	TPS62A0X	SMD	SOT563	https://www.ti.com/lit/ds/symlink/tps62a01.pdf
Boost converter, variable, Iq=150μA, Vmin=3V, Imax=1A	MT3608	SMD	SOT23-6	https://www.olimex.com/Products/Breadboarding/BB-PWR-3608/resources/MT3608.pdf
Boost converter, variable, Iq=20mA, Vmin=4V, Vmax=40V, Imax=4A	LM2587-ADJ	TH SMD	TO220-5 SOT5X3	https://www.ti.com/iit/ds/symlink/lm2587.pdf https://www.ti.com/product/TPS631000
Buck-Boost converter, variable, Iq=15μA, Vmin=1,6V, Vmax=5,5V, Imax=1,5A	TPS631000	SMD	SO15X3	https://www.ti.com/product/1PS631000
Logic gates				
NAND gate, single, 2.5V <->5,5V	74AHC1G00	SMD	SOT23-5	https://www.ti.com/lit/ds/scls313o/sds313o.pdf
Battery, power management IC's				
Single cell LiPo BMS	DW01A	SMD	SOT23-6	http://hmsemi.com/downfile/DW01A.PDF
Single cell LiPo charger	MCP73833	SMD	MSOP10	https://www.microchip.com/en-us/product/MCP73833
High/low side I <sup>2</sup> C current monitor , Vmax=26V	INA220	SMD	VSSOP10	https://www.ti.com/lit/ds/symlink/ina220.pdf
Analog hall effect current monitor (Imax=200A) Battery SoC meter (coulomb counter)	ACS758 LTC2941	TH SMD	MSOP8	https://www.allegromicro.com/-/media/files/datasheets/acs758-datasheet.ashx https://www.analog.com/media/en/technical-documentation/data-sheets/ltc2941.pdf
Battery soc meter (coulding counter)	L1C2741	SIVID	MISOFO	https://www.anaiog.com/media/en/technicardocumentation/data-sneets/itc2942.pdf
Communications				
RS485 transceiver 40Mbps half duplex	ISL3179	SMD	SO8	https://www.renesas.com/us/en/document/dst/isl3179e-isl3180e-datasheet
RS485 transceiver 40Mbps half duplex USB <> UART bridge	FT-232	SMD	SOB SSOP28	https://www.farnell.com/datasheets/2007793.pdf
RS485 transceiver 40Mbps half duplex				
RS485 transceiver 40Mbps half duplex USB <> UART bridge CAN bus controller	FT-232	SMD		https://www.farnell.com/datasheets/2007793.pdf
RS485 transceiver 40Mbps half duplex USB < UMRT bridge CAN bus controller I*C	FT-232 MCP2515	SMD SMD	SSOP28	https://www.lamed.com/databects/200778.adf https://www.lamed.com/downloads/en/Dev/seDoc/MCP2515-Stand-Alone-CAN-Controller-with-SPI-200018011.adf
RS-485 transceiver 40Mbps half duplex USB < UNART hiddinge CAN bus controller  I*C  I*C level translator	FT-232 MCP2515 PCA9517	SMD SMD	SSOP28	https://www.tamed.com/datasbeets/2007992.edf https://www.tmicrochip.com/downbads/en/DeviceOct/MCP2515-Stand-Mone-CAN-Controller-with-SP1-2000(801).pdf https://www.rup.com/docs/en/data-sheet/PCAP517.pdf
RS485 transceiver 40Mbps half duplex USB < UMRT bridge CAN bus controller I*C	FT-232 MCP2515	SMD SMD	SSOP28	https://www.lamed.com/databects/200778.adf https://www.lamed.com/downloads/en/Dev/seDoc/MCP2515-Stand-Alone-CAN-Controller-with-SPI-200018011.adf
R-545 transcher 40xHops half duplex USB > ULBT Trigge CAN bus controller I*C	FT-232 MCP2515 PCA9517 PCF8574	SMD SMD SMD SMD + TH	SSOP28 SO8 SO16 or DIP16	https://www.famed.com/databetsi2/002792a.ddl https://www.famed.com/downloads/en/DevesDev/MCP2515-Stand-None-CAN-Controller-with-SP1:0001801.l.ddl https://www.ncom/docs/en/data-eheet/PCAP517.ddl https://www.famed.com/databetsi2/17/18/073.ddl
RS48's transcriere 40M bps half duplex USB' = UMBT inhige CAN bus controller I*C I*C level translator I*C lo eganader I*C lo eganader I*C O MC 12Bit 4 single ended input / 2 diff input 860 sps I*C DAC 12Bit 4 single ended output	FT-232 MCP2515 PCA9517 PCF8574 ADS1115	SMD SMD SMD SMD+TH SMD	SOP28  SO8 SO16 or DIP16 VSOP10	https://www.faredi.com/data-betes/2007PE4.odf  https://www.faredi.com/data-betes/2007PE4.odf  https://www.faredi.com/data-betes/2007PE4.odf  https://www.faredi.com/data-betes/2007PE4.odf  https://www.faredi.com/data-betes/21/2007.adf  https://www.faredi.com/da
RS485 transceive 40Mbps half duplex USB = VURIT higher CAN bus controller If C If Clevel translator If Clove and translator If Clove Code Aid and translator and tran	FT-232 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574	SMD SMD SMD SMD+TH SMD SMD	SSOP28  SO8 SO16 or DIP16 VSOP10 MSOP10	https://www.licom/docs/mon/doc
RS485 Transcelver 400 high half duplex USB + CUMAT Driege CAN bus controller PC PC PC PC Translator PC LO expander PC ADC 2580 4 single rended input / 2 dff input 850 sps PC DOL 2580 4 single rended output Motor drivers Herdige Yman-95V, Iman-5A	FT-232 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574	SMD SMD SMD SMD +TH SMD SMD	SSOP28  SO8 SO16 or DIP16 VSOP10 MSOP10  Multiwatt 11	https://www.famed.com/databetest/2007F8.ddf  https://www.famed.com/databetest/2007F8.ddf  https://www.nap.com/docs/en/data-htest/PCAPS17.ddf  https://www.nap.com/docs/en/data-htest/PCAPS17.ddf  https://www.nap.com/docs/en/data-htest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf  https://www.famed.com/databetest/PCAPS17.ddf
RS485 transcrieve 400 bgo half duplex USB = OURST integring CAN bus controller PC PC PC PC level translator PC 100 countered	FT-232 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A4973	SMD SMD SMD SMD+TH SMD SMD	SSOP28  SO8 SO16 or DIP16 VSOP10 MSOP10  Multiwatt 11 SOIC 16	https://www.faredi.com/data-heets/200798.adf
RS485 Transcriver 40Mbgo half duplex USB = VUMET Trieff CAN Date controller  1º Ce 1º Ce translater 1º CAD Cas Side 4 single ended input / 2 diff input 860 aps 1º CAD Cas Side 4 single ended output Motor drivers Neology Numar-SO, Iman-SA Herbridge vinan-SO, Iman-SA Herbridge vinan-SO, Iman-SA	FT-232 MCP2515 PCA9517 PCF8574 AD51115 DAC7574 L6203 A4973 DRV8833	SMD SMD SMD+TH SMD+TH SMD SMD	SSOP28  SOB SO16 or DIP16 VSOP10 MSOP10  Multiwatt 11 SOIC 16 HTSSOP 16	https://www.famel.com/databetest/2007F8.adf  https://www.famel.com/databetest/2007F8.adf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.facen/databetest/2007B83.gdf  https://www.facen/databetest/4698812.gdf  https://www.facen/databetest/4698812.gdf  https://www.facen/databetest/4698812.gdf
RS485 transcrieve 40Mbps half duplex USB = OURT integring CAN bus controller PC PC PC PC Integrinder PC Integri	FT-232 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A4973	SMD SMD SMD SMD+TH SMD SMD	SSOP28  SO8 SO16 or DIP16 VSOP10 MSOP10  Multiwatt 11 SOIC 16	https://www.faredi.com/data-heets/200798.adf
RS485 transcelver 400 bigs half duplex USB = VUART Tables CAN bus controller  PC  PC  PC  PC translator  PC ADC 2568 4 single need input / 2 diff input 850 sps  PC ADC 2568 4 single ended output  Motor drivers  Hardige Vinane-150, Iman-1-5A  Hardige Vinane-150, Iman-1-5A  Stepper motor driver Vinane-107, Iman-107, Iman	FT-232 MCP2515 PCA9517 PCE8574 AD51115 DAC7574 L6203 A4973 DRV8833 A3967	SMD SMD SMD SMD+TH SMD SMD TH SMD SMD	SSOP28  SOB SO16 or DIP16 VSOP10 MSOP10  Multiwatt 11 SOIC 16 HTSSOP 16	https://www.famel.com/databetest/2007F8.adf  https://www.famel.com/databetest/2007F8.adf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.map.com/docs/en/data-sheet/PCAPS17.gdf  https://www.facen/databetest/2007B83.gdf  https://www.facen/databetest/4698812.gdf  https://www.facen/databetest/4698812.gdf  https://www.facen/databetest/4698812.gdf
RS485 transcriere 40Mbgo half duplex USB ~ UMRT triple CAN bus controller If C	FT-232 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A4973 DRV8833 A3967	SMD SMD SMD +TH SMD +TH SMD SMD SMD SMD SMD	SOP28  SOB SO16 or DIP16  VSOP10  MSOP10  Multiwatt 11  SOIC 16  HTSSOP 16  SOIC 24	https://www.farenic.com/data-bests/200798.adf  https://www.farenic.com/data-bests/200798.adf  https://www.farenic.com/data-bests/2009893.adf  https://www.farenic.com/data-bests/2009893.adf  https://www.farenic.com/data-bests/190979.adf
RS485 Transcriere 400 high half duplex USB = VUMET Triefle CAN bus controller  1º Ce 1º Ce controller 1º Co expander 1º CAN C 2564 4 single ended input / 2 diff input 860 aps 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output Mobit of direct 1º CAN C 2564 4 single ended output	FT-222 MCP2515 PCA9517 PCE8574 ADS1115 DAC7574 L6203 A4973 DKV8833 A3967 LTC1540 LM393	SMD SMD + TH SMD + TH SMD SMD SMD SMD SMD SMD SMD SMD	SOP28  SOB SO16 or DIP16 VSOP10  Multiwatt 11 SOIC 16 HTSOP 16 SOIC 24  SOB, DIP8	https://www.famelicom/databets/1007P34.odf https://www.famelicom/databets/1007P34.odf https://www.famelicom/databets/1007P34.odf https://www.nap.com/docs/en/data-heer/PCAP517.pdf https://www.nap.com/docs/en/data-heer/PCAP517.pdf https://www.nap.com/docs/en/data-heer/PCAP517.pdf https://www.famelicom/databets/107P372.odf https://www.famelicom/databets/107P372.odf https://www.famelicom/databets/107P372.odf https://www.famelicom/databets/107P372.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf https://www.famelicom/databets/107P33.odf
RS485 transcriere 40Mbpp half duplex USB = VURIT tribing CAN blus controller PC PC level translator PC USB = VURIT tribing PC USB = VURIT	FT-232 MCP2515 PCA9517 PCR6574 ADS1115 DAC7574 L6203 A4973 DRV8833 A3967 LTC1540 LM393 LTV2775	SMD SMD + TH SMD + TH SMD SMD SMD SMD SMD SMD SMD SMD	SOP28  SOB SO16 or DIP16 VSOP10  Multiwatt 11 SOIC 16 HTSOP 16 SOIC 24  SOB, DIP8 SOB, DIP8	https://www.ficent.com/databasets/2007PR4.odf  https://www.ficent.com/databasets/2007PR4.odf  https://www.ficent.com/databasets/2007PR4.odf  https://www.ficent.com/databasets/2007PR4.odf  https://www.ficent.com/databasets/2128PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://www.ficent.com/databasets/21228PA.odf  https://w
RS485 Transcrieve 40Mbgo half duplex USB > USBAT Triber CAN bus controller   **Cell Comment of the Comment of t	FT-222 MCP2515 PCA9517 PCE8574 ADS1115 DAC7574 L6203 A4973 DRV08833 A3967 LTC1540 LM393 TLV2775 LM324	SMD SMD + TH SMD + TH SMD SMD TH SMD SMD SMD SMD SMD SMD SMD SMD + TH SMD	SOP28  SOIS or DIP16  VSCP10  Multiwatt 11  SOIC 16  HISSOP 16  SOIC 24  SOR, DIP8  SO14, DIP14	https://www.famelicom/databetes/1907PA.odf https://www.famelicom/dat
RS485 transcriere 40Mbpp half duplex USR = VURIT triple CAN loss controller PC PC level translator PC lose and translator PC lose and translator PC lose and translator PC lose and translator PC lose Active Active And translator PC lose Active Act	FT-222 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A9973 LTC1540 LM399 TLV2775 LM324 TLV2775 LM324	SMD SMD +TH SMD +TH SMD +TH TH	SOP28  SOB SO15 or DIP16  SO15 or DIP16  VSOP10  MSOP10  MMIDWAT 11  SOIC 24  SOIC 24  SOIC 30108  SOIS 3016	https://www.famed.com/data-hete/3702793.odf
RS485 Transcrieve 40Mbgo half duplex USB > USBAT Triber CAN bus controller   **Cell Comment of the Comment of t	FT-222 MCP2515 PCA9517 PCE8574 ADS1115 DAC7574 L6203 A4973 DRV08833 A3967 LTC1540 LM393 TLV2775 LM324	SMD SMD + TH SMD + TH SMD SMD TH SMD SMD SMD SMD SMD SMD SMD SMD + TH SMD	SOP28  SOIS or DIP16  VSCP10  Multiwatt 11  SOIC 16  HISSOP 16  SOIC 24  SOR, DIP8  SO14, DIP14	https://www.famelicom/databetes/1907PA.odf https://www.famelicom/dat
RS485 transcriere 40Mbpp half duplex USR = VURIT triple CAN loss controller PC PC level translator PC lose and translator PC lose and translator PC lose and translator PC lose and translator PC lose Active Active And translator PC lose Active Act	FT-222 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A9973 LTC1540 LM399 TLV2775 LM324 TLV2775 LM324	SMD SMD +TH SMD +TH SMD +TH TH	SOP28  SOB SO15 or DIP16  SO15 or DIP16  VSOP10  MSOP10  MMIDWAT 11  SOIC 24  SOIC 24  SOIC 30108  SOIS 3016	https://www.famed.com/data-hete/3702793.odf
RS485 Transcrieve 400 higo half duplex USB ~ UMBT Tright CAR Data controller	FT-222 MCP2515 PCA9517 PCF8574 ADS1115 DAC7574 L6203 A9973 LTC1540 LM399 TLV2775 LM324 TLV2775 LM324	SMD SMD +TH SMD +TH SMD +TH TH	SOP28  SOB SO15 or DIP16  SO15 or DIP16  VSOP10  MSOP10  MMIDWAT 11  SOIC 24  SOIC 24  SOIC 30108  SOIS 3016	https://www.famed.com/data-hete/3702793.odf
RS485 transcher 40Mbgo half duplex USR ~ UNRT Triple (CAN Data controller )**Controller (CAN Data controller )**Controller (CAN Data controller )**Controller (CAN Data Controller (CAN Data Controlle	FT-232 MCP2515 PCA9517 PCF8574 AD51115 DAC7574 IA203 A9973 DEV8833 A3967 LTC1540 LM393 LW393 LW393 LW393 LW393 LW394 LW39 LW394 LW394 LW39 LW394 LW394 LW34 LW34 LW34 LW34 LW34 LW34 LW34 LW3	SMD SMD SMD+TH SMD TH SMD	\$00 90 1015   \$0.00	https://www.farent.com/databacts/2007P84.odf
RS485 Transcriere 40Mbgo half duplex USB > USBET Triber (CAR) bus controller  1°C Inc.  1°C Inc.	FT-222 MCP2515 PCA9517 PC48574 AD5:117 DAC7574 I.6.203 A4973 I.0.203 A4973 I.1.7.1540 I.1.1540 I.1.154	SMD SMD SMD + TH SMD SMD + TH SMD	SOP28  SOB SOLS OPP16  SOS OPP16  SOS OPP16  SOS OPP16  SOIC 16  HISSOP 16  SOIC 24  SOB, DIPB  SOIA DP14  DP8  SOT23 or SIP3	https://www.fameli.com/datahetes/1907/PSA.odf
RS485 Transceive 40Mbgo half duplex USB = VUART Tables CAN bus controller PC Inc   I	FT-222 IMCP2517 PCA9517 PCA9517 PCF5574 ADS1155 DA01554 APS1155 DA01554 APS1155 DA01555 APS1155 DA01555 APS1155 DA01555 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 APS1155 APS1155 APS	SMD SMD SMD SMD TH SMD	\$00 90 1015   \$0.00	https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/120793.odf
RS485 Transcriere 40Mbgo half duplex USB > USBET Triber (CAR) bus controller  1°C Inc.  1°C Inc.	FT-222 MCP2515 PCA9517 PC48574 AD5:117 DAC7574 I.6.203 A4973 I.0.203 A4973 I.1.7.1540 I.1.1540 I.1.154	SMD SMD SMD + TH SMD SMD + TH SMD	SOP28  SOB SOLS OPP16  SOS OPP16  SOS OPP16  SOS OPP16  SOIC 16  HISSOP 16  SOIC 24  SOB, DIPB  SOIA DP14  DP8  SOT23 or SIP3	https://www.fameli.com/datahetes/1907/PSA.odf
RS485 Transceive 40Mbgo half duplex USB = VUART Tables CAN bus controller PC Inc   I	FT-222 IMCP2517 PCA9517 PCA9517 PCF5574 ADS1155 DA01554 APS1155 DA01554 APS1155 DA01555 APS1155 DA01555 APS1155 DA01555 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 APS1155 APS1155 APS	SMD SMD SMD SMD TH SMD	SOP28  SOB SOLS OPP16  SOS OPP16  SOS OPP16  SOS OPP16  SOIC 16  HISSOP 16  SOIC 24  SOB, DIPB  SOIA DP14  DP8  SOT23 or SIP3	https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/1207793.odf  https://www.famel.com/databetes/120793.odf
RS485 transcriere 40Mbgo half duplex USB ~ UMRT bridge CAN bus controller PC In Canada Canada In C	FT-222 IMCP2517 PCA9517 PCA9517 PCF5574 ADS1155 DA01554 APS1155 DA01554 APS1155 DA01555 APS1155 DA01555 APS1155 DA01555 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 DA0155 APS1155 APS1155 APS1155 APS	SMD SMD SMD SMD TH SMD	SOP28  SOB SOLS OPP16  SOS OPP16  SOS OPP16  SOS OPP16  SOIC 16  HISSOP 16  SOIC 24  SOB, DIPB  SOIA DP14  DP8  SOT23 or SIP3	https://www.facenickom/databaches/1907P84.odf  https://www.facenickom/da
RS485 Transcriere 400 high plat if duplex USB = vulkAT Training USB = vulkAT Training USB = vulkAT Training I**C CAN bus controller I**C CAN bus controller I**C CAN bus controller I**C ADC 1268 4 simple medic input / 2 diff input 860 sps I**C CAN ExB 4 simple medic output Motor drivers I**Horidge Vinana-150, Imana-15A I**Horidge Vinana-15W, Imana-15A Steeper motor driver Vinana-15W, Imana-15A Steeper motor driver Vinana-15W, Imana-15A Ogramps, comparation, Inp-700A, Vinana-15W, Internal reference Comparation, Inp-700A, Vinana-15	FT-222 MM29215 PC49517 PC185114 A052515 DAC7574 LA503 A4927 DRV8830 A4997 LTC1540 LTC1540 LTC975 LM204 LM204 LM204 A1004 A1004 A1004 A1004 A1004 A1004 A1004	SMD	\$00-28  \$0.6	https://www.fared.com/databets/200798.defl https://www.fared.com/databets/200798.defl https://www.fared.com/databets/200798.defl https://www.fared.com/databets/20078.defl https://www.fared.com/datab
RS489 Transcriere 40Mbgo half duplex USB > USBET Triber (CAR) bus controller    **Carter of the Carter of the Cart	FT-222 MM29215 PC49517 PC185114 A052515 DAC7574 LA503 A4927 DRV8830 A4997 LTC1540 LTC1540 LTC975 LM204 LM204 LM204 A1004 A1004 A1004 A1004 A1004 A1004 A1004	SMD SMD SMD TH SMD	\$50P28  \$08  \$03 or IPP16  \$50P20  M50P20  M40P40111  \$40P20  M40P40111  \$40P20  \$40P2	https://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/acff  http://www.farenic.com/databaches/1/07/25/25/acff  http://www.farenic.com/databache
RS485 Transcriere 40Mbgo half duplex USB + cultART Tuber CAN bus controller PC	FT-222 MM29215 PC49517 PC185114 A052515 DAC7574 LA503 A4927 DRV8830 A4997 LTC1540 LTC1540 LTC975 LM204 LM204 LM204 A1004 A1004 A1004 A1004 A1004 A1004 A1004	SMD	\$00P28  \$0.0	https://www.famel.com/databates/1202793.odf
RS489 Transcriere 40Mbgo half duplex USB = VUMET Triber CAN bus controller PC	FT-222 MM29215 PC49517 PC185114 A052515 DAC7574 LA503 A4927 DRV8830 A4997 LTC1540 LTC1540 LTC975 LM204 LM204 LM204 A1004 A1004 A1004 A1004 A1004 A1004 A1004	SMD SMD SMD TH SMD TH SMD	\$50P28  \$08 \$014 or IPH5 \$50P20  MS0P20  MS0P20  Ms0P20  Ms0P20  Ms0P20  S01C 56 IFISSOP 16 S01C 24  \$014, DIPH5 S01A DIPH5 DR9 DR9 DR9 SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW94  SW	https://www.farent.com/databathest/2007P8 odf  https://www.farent.com/da
RS485 Transcriere 40Mbgo half duplex USB + cultART Tuber CAN bus controller PC	FT-222 MM29215 PC49517 PC185114 A052515 DAC7574 LA503 A4927 DRV8830 A4997 LTC1540 LTC1540 LTC975 LM204 LM204 LM204 A1004 A1004 A1004 A1004 A1004 A1004 A1004	SMD	\$00P28  \$0.0	https://www.famel.com/databates/1202793.odf
RS485 Transcelver 40Mbgo half duplex USB = VLART Training CAN bus controller PC I*C lost Standard I*C ADC 150R 4 Stange ended input 1 / 2 dill reput 860 sps. I*C ADC 150R 4 Stange ended output Motor drivers I*E-bridge Vinasar 50V, Imans-1 5A I*E-bridge Vinasar 50V, Imans-1 5A I*E-bridge Vinasar 50V, Imans-1 5A Steeper motor driver Vinasar 50V, Imans-1 5A Steeper motor driver Vinasar 50V, Imans-1 5A Comparator, (ap-700A, Vinasar 1 5A Steeper motor driver Vinasar 50V, Imans-1 6A Comparator, (ap-700A, Vinasar 1 5A Steeper motor driver Vinasar 50V, Imans-1 6A Comparator, (ap-700A, Vinasar 1 5A Comparator, (ap-700A, Vinasar 1 5A Comparator, (ap-700A, Vinasar 1 5V, Internal reference Comp	FT-222 MM29215 PC49517 PC185114 A02515 DAC7574 LA503 A4967 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 A1104 A2900 A1104 A11	SMD SMD SMD TH SMD TH SMD	\$50P28  \$08 \$014 or IPH5 \$50P20  MS0P20  MS0P20  Ms0P20  Ms0P20  Ms0P20  S01C 56 IFISSOP 16 S01C 24  \$014, DIPH5 S01A DIPH5 DR9 DR9 DR9 SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW94  SW	https://www.farent.com/databathest/2007P8 odf  https://www.farent.com/da
RS485 Transcriere 40Mbgo half duplex USB = VUMET Triber CAR Data controller	FT-225 FT	SMD SMD SMD TH SMD	\$00928  \$08 \$030 or IPH5 \$050910  Moffbeld 11 \$000,010  Moffbeld 11 \$000,010  \$000,010	https://www.farenic.com/databachest/302793.adf  https://www.farenic.com/databachest/302793.adf  https://www.farenic.com/databachest/30293.adf  http://www.farenic.com/databachest/30293.adf
RS485 Transcelver 40Mbgo half duplex USB = VLART Training CAN bus controller PC I*C lost Standard I*C ADC 150R 4 Stange ended input 1 / 2 dill reput 860 sps. I*C ADC 150R 4 Stange ended output Motor drivers I*E-bridge Vinasar 50V, Imans-1 5A I*E-bridge Vinasar 50V, Imans-1 5A I*E-bridge Vinasar 50V, Imans-1 5A Steeper motor driver Vinasar 50V, Imans-1 5A Steeper motor driver Vinasar 50V, Imans-1 5A Comparator, (ap-700A, Vinasar 1 5A Steeper motor driver Vinasar 50V, Imans-1 6A Comparator, (ap-700A, Vinasar 1 5A Steeper motor driver Vinasar 50V, Imans-1 6A Comparator, (ap-700A, Vinasar 1 5A Comparator, (ap-700A, Vinasar 1 5A Comparator, (ap-700A, Vinasar 1 5V, Internal reference Comp	FT-222 MM29215 PC49517 PC185114 A02515 DAC7574 LA503 A4967 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 LTC1540 A1104 A2900 A1104 A11	SMD SMD SMD TH SMD TH SMD	\$50P28  \$08 \$014 or IPH5 \$50P20  MS0P20  MS0P20  Ms0P20  Ms0P20  Ms0P20  S01C 56 IFISSOP 16 S01C 24  \$014, DIPH5 S01A DIPH5 DR9 DR9 DR9 SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW93  SW94  SW	https://www.farent.com/databathest/2007P8 odf  https://www.farent.com/da
RS485 Transcriere 40Mbgo half duplex USB = VUMET Triber CAR Data controller	FT-225 FT	SMD SMD SMD TH SMD	\$00928  \$08 \$030 or IPH5 \$050910  Moffbeld 11 \$000,010  Moffbeld 11 \$000,010  \$000,010	https://www.fareni.com/databachest/3027P8 and https://www.fareni.com/databachest/3027P8 and https://www.fareni.com/databachest/3027P8 and https://www.fareni.com/databachest/3027P8 and https://www.fareni.com/databachest/312979 and https://www.fareni.com/databachest/312979 and https://www.fareni.com/databachest/312978 and https://www.fareni.com/databachest/3298 and https://www.fareni.com/databachest/3298 and https://www.fareni.com/databachest/3298 and https://www.fareni.com/databachest/3298 and https://www.fareni.com/databachest/32983 and https://www.fareni
RS485 Transcriver 40Mbgo half duplex USB = VUMET Triber CAN Data controller	FT-022 FT-0225	SMD SMD SMD TH SMD	\$00928  \$08 \$030 or IPH5 \$050910  Moffbeld 11 \$000,010  Moffbeld 11 \$000,010  \$000,010	https://www.farenic.com/databachest/302793.adf  https://www.farenic.com/databachest/302793.adf  https://www.farenic.com/databachest/30293.adf  http://www.farenic.com/databachest/30293.adf
RS485 Transcriver 40Mbgo half duplex USB = VUMET Triber USB = VUMET Triber I**C IO expander II expan	FT-022 FT-022-FT	SMD	\$00 900 900 900 900 900 900 900 900 900	https://www.famel.com/databetes/1207793.odf  https://www.famel.com
RS485 Transcriere 40Mbgo half duplex USB = VUART Training CAN bus controller  1°C 1°C 1°C consumer 1°C ADC 150 4 single rended input / 2 dff input 860 sps 1°C ADC 150 4 single rended output 1	FT-022 FT-0225	SMD SMD SMD - TH SMD	\$00 900 900 900 900 900 900 900 900 900	https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/12/2794.odf  https://www.farent.co
RS485 Transcriver 40Mbgo half duplex USB = VUMET Triber USB = VUMET Triber I**C IO expander II expan	FT-022 FT-022-FT	SMD	\$00 900 900 900 900 900 900 900 900 900	https://www.famel.com/databetes/1207793.odf  https://www.famel.com
RS485 Transcriere 400 high paid if duplex USS = VUMAT Triber I'C INC common of the Translator I'C ADC 1250 4 single ended input / 2 dill input 860 sps I'C ADC 1250 4 single ended output Whoter differen I'C ADC 1250 4 single ended output Horizon differen I'C ADC 1250 4 single ended output Horizon differen I-C ADC 1250 4 single ended output Horizon differen I-E-Mode 1250 4 single ended output Dompson, couparator, in-IP-ODA, Mansa-15V, Internal reference Comparator, in-IP-ODA, Mansa-15V, Internal reference	FT-022 FT-0225	SMD SMD SMD - TH SMD	\$00 900 900 900 900 900 900 900 900 900	https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/12/2794.odf  https://www.farent.co
RS485 Transcriere 40Mbgo half duplex USB = VUART Training CAN bus controller  1°C 1°C 1°C consumer 1°C ADC 150 4 single rended input / 2 dff input 860 sps 1°C ADC 150 4 single rended output 1	FT-022 FT-0225	SMD SMD SMD - TH SMD	\$00 900 900 900 900 900 900 900 900 900	https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/10/2794.odf  https://www.farent.com/databets/12/2794.odf  https://www.farent.co
RS485 Transcriver 40Mbgo half duplex USB > USBAT Tribing CAN bus controller	FT-222 MOZ2517 PCE4517 PCE5514 A051115 DAC7574 LA033 AA673 DR/8833 A4967 LTC1540 LM993 TTV2775 LM224 T1094 A1104 A2290 A1104 A9290 A	SMD	\$50P28  \$08	https://www.farent.com/databets/10/1793.odf  https://www.farent.com/databets/10/1793.odf  https://www.farent.com/databets/10/1793.odf  https://www.farent.com/databets/179373.odf  https://www.farent.com/databets/1793735.odf  https://www.farent.com/databets/1793735.odf  https://www.farent.com/databets/1793735.odf  https://www.farent.com/databets/1793735.odf  https://www.farent.com/databets/17937353.odf  https://www.farent.com/databets

Component type Package type Package

Getest, Eff>90%

In labo: UC2577 variant is aanwezig

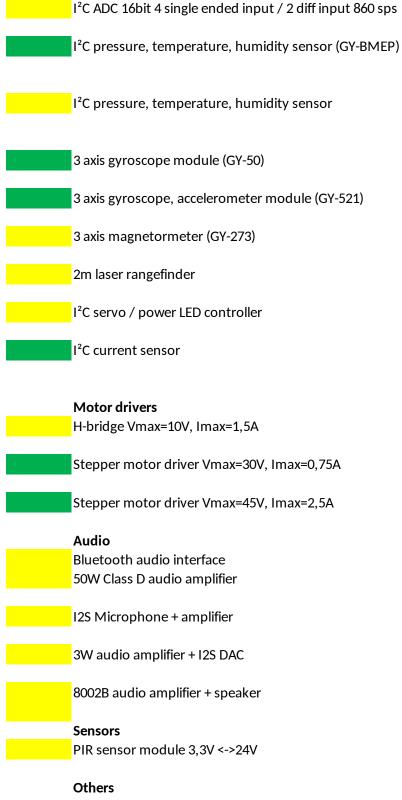
<u>Stock</u>	<u>Description</u>
	<b>Displays</b> 0,96" monochrome OLED
	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	1,3" color TFT display, Idisplay=5mA, Ibacklight=22mA
	Battery,power management IC's
	Single cell LiPo BMS
	1A single cell battery charger
	Single to positive/negative boost converter (DD1718PA) (12V version)
	Boost converter, variable, Iq=150μA, Vmin=3V, Imax=1A
	Boost / buck converter, Vin=2,5V - 15V Vout= 3,3V
	3A 40V CC/CV buck converter module
	3A 40V buck converter module
	35V 5A boost converter module
	120V> 12V, 3A stepdown module 120V> 5V, 5A stepdown module
	Energy harvester (Vin=2,7V - 20V) Iq=1μΑ
	Buck converter, variable, Iq=25μA, Vinmax=5V, Imax=1A no dropout
	Buck-Boost converter, variable, Iq=15μA, Vmin=1,6V, Vmax=5,5V, Imax=1,5A
	Boost converter, Vin:[2,7V,12V] Iq=150μQ, Imax=3A
	Wired communications  CAN bus controller
	USB <-> UART bridge
	Wireless communications 433 MHz OOK transmitter (smallest module in compartment)
	433 MHz OOK receiver (larger module in compartment)
	I <sup>2</sup> C
	I <sup>2</sup> C IO expander

Component type	<u>Locatie</u>	<u>Datasheet</u>
SSD1306	DIV2 / A2	https://www.aliexpress.com/item/32957309383.html
		https://www.digikey.com/htmldatasheets/productio
ST7789	DIV2 / A2	https://www.aliexpress.com/item/32977104490.html
		https://www.makerfabs.com/desfile/files/ST7789-Da
DW01	DIV2/E1	http://hmsemi.com/downfile/DW01A.PDF
TP4056	DIV2/F3	https://www.aliexpress.com/item/32670803042.html
XL6007	DIV2 / F8	https://www.aliexpress.com/item/32824676563.html
		http://www.ksmcu.com/pdf/XL6007%20datasheet.pd
MT3608	DIV2 / D3	https://www.aliexpress.com/item/1005002748211742
		https://www.olimex.com/Products/Breadboarding/E
MT3608	DIV2 / D3	https://nl.aliexpress.com/item/1005002849970161.ht
		https://www.olimex.com/Products/Breadboarding/E
LM2596	DIV2 / D6	https://www.ti.com/lit/ds/symlink/lm2596.pdf
		https://www.aliexpress.com/item/32817719968.html
LM2596	DIV2 / D4	https://www.ti.com/lit/ds/symlink/lm2596.pdf
1.10507	DIV (0 / D.5	https://www.aliexpress.com/item/32845321243.html
LM2587	DIV2 / D5	https://www.ti.com/lit/ds/symlink/lm2587.pdf
2	DIV/2 / C2	https://www.aliexpress.com/item/32663310105.html
?	DIV2 / C2	https://www.aliexpress.com/item/1005001723001382
;	DIV2 / C2	https://www.aliexpress.com/item/1005001723001382
LTC3588	DIV2/B4	https://www.analog.com/media/en/technical-docum
TPS62A0X	DIV2/ A4	https://www.ti.com/lit/ds/symlink/tps62a01.pdf
TPS631000	SMD CHIPS 1	https://www.ti.com/product/TPS631000
TPS61088	DIV2 / A6	https://nl.aliexpress.com/item/1005006072690195.ht
		https://www.ti.com/lit/ds/symlink/tps61088.pdf
MCP2515	DIV2 / D8	https://www.aliexpress.com/item/32858168978.html
		https://www.aliexpress.com/item/32293255160.html
		https://ww1.microchip.com/downloads/en/DeviceDo
FT232RL	DIV2 / D7	https://www.aliexpress.com/item/32645814447.html
		https://www.farnell.com/datasheets/2007793.pdf
SYN115	DIV2 / E5	https://nl.aliexpress.com/item/32849777832.html
		https://www.rhydolabz.com/documents/33/SYN113
SYN480R	DIV2 / E5	https://nl.aliexpress.com/item/32849777832.html
		https://datasheet.lcsc.com/lcsc/2202221830 Synoxo
PCF8574	DIV2/E3	https://www.aliexpress.com/item/32224660654.html

# n/2047793/0/0/1/ssd1306.html tasheet.pdf <u>1t</u> 2.html B-PWR-3608/resources/MT3608.pdf <u>:ml</u> B-PWR-3608/resources/MT3608.pdf 2.html 2.html nentation/data-sheets/35882fc.pdf <u>:ml</u> $\underline{\mathsf{oc/MCP2515\text{-}Stand\text{-}Alone\text{-}CAN\text{-}Controller\text{-}with\text{-}SPI\text{-}20001801J\text{.}pdf}}$

-SYN115-datasheet-version-1-1-.0.pdf

-SYN480R\_C15561.pdf



Single relay module (digital input)

		http://www.farnell.com/datasheets/1716973.pdf
ADS1115	DIV2/A1	https://www.aliexpress.com/item/4000160285273.ht
D1 4D000	D.V. (D.)	https://www.ti.com/lit/ds/symlink/ads1115.pdf
BMP280	DIV2 / B1	https://www.aliexpress.com/item/4000090163194.ht
		https://cdn-shop.adafruit.com/datasheets/BST-BMP
BME680	DIV2/C3	https://nl.aliexpress.com/item/4001113450307.html?
		https://cdn-shop.adafruit.com/product-files/3660/BI
L3G4200D	DIV2 / B3	https://www.aliexpress.com/item/2023848345.html
		https://www.elecrow.com/download/L3G4200_AN33
MPU-6050	DIV2/D2	https://www.aliexpress.com/item/100500162187747
		https://invensense.tdk.com/wp-content/uploads/20
HMC5883L	DIV2/B3	https://cdn-shop.adafruit.com/datasheets/HMC588(
		https://www.aliexpress.com/item/32504223001.html
VL53L30X	DIV2 / C7	https://www.aliexpress.com/item/32800786275.html
DC40/05	DIV (0 / F0	https://www.st.com/resource/en/datasheet/vl53l0x.
PCA9685	DIV2 / E2	https://www.aliexpress.com/item/4000468996665.ht
INIA 240	DIV2 / F1	https://www.farnell.com/datasheets/1919279.pdf
INA219	DIV2/F1	https://nl.aliexpress.com/item/33047166203.html
		https://www.ti.com/lit/ds/symlink/ina219.pdf
DDV0000	DIV/2 / E4	https://www.eliawayaaa.com/itara/400500/20540075/
DRV8833	DIV2 / E4	https://www.aliexpress.com/item/1005006205190752
	22, 2.	https://www.ti.com/lit/ds/gymlink/dm/0022.ndf
A2047		https://www.ti.com/lit/ds/symlink/drv8833.pdf
A3967	DIV2/C4	https://www.aliexpress.com/item/32652039984.html
	DIV2/C4	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg
A3967 DRV8825		https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashc https://nl.aliexpress.com/item/1005003417425013.ht
	DIV2/C4	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg
	DIV2/C4	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashc https://nl.aliexpress.com/item/1005003417425013.ht
DRV8825	DIV2 / C4 DIV2 / C4	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datasha https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf
DRV8825 JDY-62	DIV2/C4 DIV2/C4 DIV2/B5	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datash@ https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html
DRV8825 JDY-62	DIV2/C4 DIV2/C4 DIV2/B5	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashe https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html
DRV8825  JDY-62 TPA3118	DIV2 / C4 DIV2 / C4 DIV2 / B5 DIV2 / E7	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datash@ https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf
DRV8825  JDY-62 TPA3118	DIV2 / C4 DIV2 / C4 DIV2 / B5 DIV2 / E7	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht
DRV8825  JDY-62 TPA3118  INMP441  MAX98357	DIV2/C4 DIV2/C4 DIV2/B5 DIV2/E7 DIV2/E8	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht https://invensense.tdk.com/wp-content/uploads/20 https://nl.aliexpress.com/item/1005004280540810.ht https://www.analog.com/media/en/technical-docum
DRV8825  JDY-62 TPA3118  INMP441	DIV2/C4 DIV2/C4 DIV2/B5 DIV2/E7 DIV2/E8	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht https://invensense.tdk.com/wp-content/uploads/20 https://nl.aliexpress.com/item/1005004280540810.ht
DRV8825  JDY-62 TPA3118  INMP441  MAX98357	DIV2/C4 DIV2/C4 DIV2/B5 DIV2/E7 DIV2/E8 DIV2/E7 DIV2/E7	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht https://invensense.tdk.com/wp-content/uploads/20 https://nl.aliexpress.com/item/1005004280540810.ht https://www.analog.com/media/en/technical-docum
DRV8825  JDY-62 TPA3118  INMP441  MAX98357	DIV2/C4 DIV2/C4 DIV2/B5 DIV2/E7 DIV2/E8 DIV2/E7	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht https://invensense.tdk.com/wp-content/uploads/20 https://nl.aliexpress.com/item/1005004280540810.ht https://www.analog.com/media/en/technical-docum
DRV8825  JDY-62 TPA3118  INMP441  MAX98357	DIV2/C4 DIV2/C4 DIV2/B5 DIV2/E7 DIV2/E8 DIV2/E7 DIV2/E7	https://www.aliexpress.com/item/32652039984.html https://www.allegromicro.com/-/media/files/datashg https://nl.aliexpress.com/item/1005003417425013.ht https://www.ti.com/lit/ds/symlink/drv8825.pdf  https://www.aliexpress.com/item/33012721487.html https://www.aliexpress.com/item/32810352446.html https://www.ti.com/lit/ds/symlink/tpa3118d2.pdf https://nl.aliexpress.com/item/1005003340565935.ht https://invensense.tdk.com/wp-content/uploads/20 https://nl.aliexpress.com/item/1005004280540810.ht https://www.analog.com/media/en/technical-docum https://nl.aliexpress.com/item/1005004312864454.ht

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<u>ml</u>
<u>ml</u>
280-DS001-11.pdf

✓E680.pdf

93.pdf
<u>L.html</u>
15/02/MPU-6000-Datasheet1.pdf
<u>3L_3-Axis_Digital_Compass_IC.pdf</u>
?spm=a2g0o.order_list.0.0.17d218027zXHOg
pdf
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2.html
eets/a3967-datasheet.pdf
<u>:ml</u>
:ml?
15/02/INMP441.pdf
nentation/data-sheets/MAX98357A-MAX98357B.pdf
<u>:ml?</u>
<u>5.html</u>
```

# **Description**

#### **Switches**

SMD push button (6 mm x 6 mm) TH push button (6 mm x 6 mm)

#### Connectors

2.5mm DC power connector (PCB mount)

## **Resistors SMD 0805 footprint**

0Ω

0.47 Ω

1Ω

4.7 Ω

 $10\,\Omega$ 

 $22\,\Omega$ 

33 Ω

 $39\,\Omega \\ 47\,\Omega$ 

68 Ω

75 Ω

 $100\,\Omega$ 

120 Ω

150 Ω

 $220\,\Omega$ 

 $330\,\Omega$ 

470 Ω

 $680\,\Omega$ 

Component type	Package type	<u>Package</u>
B3FS	SMD	
	TH	
FC681465	TH	

## Resistors TH, 400 mil terminal spacing

1Ω

1.2 Ω

1.5 Ω

1.8 Ω

 $2.2\,\Omega$ 

 $2.4\,\Omega$ 

 $3.3\,\Omega$ 

3.9 Ω

4.7 Ω

5.6 Ω

6.8 Ω

 $8.2\,\Omega$ 

10 Ω

12 Ω

15 Ω

18 Ω

22 Ω

ZZ 32

 $27\,\Omega$   $33\Omega$ 

36 Ω

50 52

 $39\,\Omega$ 

47 Ω

56 Ω

68 Ω

75 Ω

82 Ω

 $100\,\Omega$ 

120 Ω

130 Ω

150 Ω

180 Ω

200 Ω

 $220\,\Omega$ 

270 Ω

330 Ω

# <u>Datasheet</u>

http://www.farnell.com/datasheets/2340395.pdf http://www.farnell.com/datasheets/1804042.pdf

https://www.farnell.com/datasheets/816904.pdf

 $1\,k\Omega$ 

 $1,1\,k\Omega$ 

 $1.5\,k\Omega$ 

1.8 kΩ

 $2\,k\Omega$ 

 $2.2\,k\Omega$ 

 $3.3\,k\Omega$ 

3.9 kΩ

 $4.7\,k\Omega$ 

 $5.6\,k\Omega$ 

 $6.8\,k\Omega$ 

 $8.2\,k\Omega$ 

 $10\,k\Omega$ 

 $12\,k\Omega$ 

15 kΩ

20 kΩ

 $21\,k\Omega$ 

 $22\,k\Omega$ 

33 kΩ

 $39\,k\Omega$ 

 $47\,k\Omega$   $56\,k\Omega$ 

68 kΩ

 $100\,k\Omega$ 

 $110\,k\Omega$ 

 $120\,k\Omega$ 

 $150\,k\Omega\\180\,k\Omega$ 

 $220\,k\Omega$ 

270 kΩ

330 kΩ

390 kΩ

370 KS2

470 kΩ

 $560\,k\Omega$ 

 $680\,k\Omega$ 

360 Ω

390 Ω

470 Ω

560 Ω

620 Ω

680 Ω

 $820\,\Omega$ 

 $1\,k\Omega$ 

 $1.2\,k\Omega$ 

 $1.5 \, k\Omega$ 

1.6 kΩ

 $1.8\,k\Omega$ 

2.2 kΩ

 $2.7 \, k\Omega$ 

3.3 kΩ

3.6 kΩ

3.9 kΩ

4.7 kΩ

5.6 kΩ

6.8 kΩ

7.5 kΩ

 $8.2\,k\Omega$ 

10 kΩ

 $12\,k\Omega$ 

15 kΩ

18 kΩ

 $22\,k\Omega$ 

27 kΩ

 $33\,k\Omega \\ 36\,k\Omega$ 

39 kΩ

43 kΩ

56 kΩ

68 kΩ

 $82\,k\Omega$ 

 $100\,k\Omega$ 

 $120\,k\Omega$ 

 $150\,k\Omega$ 

 $180\,k\Omega$ 

 $200\,k\Omega$   $220\,k\Omega$ 

. .

 $270\,k\Omega$ 

 $330\,k\Omega$ 

 $360\,k\Omega$ 

 $390\,k\Omega$ 

470 kΩ

 $560\,k\Omega$ 

680 kΩ

1ΜΩ

 $2M\Omega$ 

 $2.2\,M\Omega$ 

 $3.3\,\text{M}\Omega$ 

 $4.7\,M\Omega$ 

 $10\,\text{M}\Omega$ 

# Capacitors SMD 0805 footprint

2.2 pF

3.3 pF

4.7 pF

6.8 pF

8 pF

10 pF

12 pF

15 pF

22 pF

33 pF 47 pF

68 pF

100 pF

150 pF

200 pF

220 pF

270 pF

330 pF

470 pF 680 pF

1 nF

2.2 nF

3.3 nF

4.7 nF

6.8 nF

10 MΩ

# Capacitor TH, unspecified footprint

1 pF

1.2 pF

1.5 pF

1.8 pF

3.9 pF

4.7 pF

5.6 pF

6.8 pF

8.2pF

10 pF

12 pF

15 pF

27 pF

33 pF

39 pF

47 pF

68 pF

82 pF

100 pF

120 pF

150 pF

180 pF

220 pF

270 pF

330 pF

390 pF

470 pF

560 pF

680 pF

820 pF

1 nF

1.2 nF

1.5 nF

1.8 nF

2.2 nF

2.7 nF

10 nF

15 nF

22 nF

33 nF

47 nF

68 nF

100 nf

 $1\,\mu\text{F}$ 

 $2.2\,\mu\text{F}$ 

4.7μF

10 μF

22μF

47μF

3.3 nF

3.9 nF

4.7 nF

5.6 nF

6.8 nF

8.2nF

10 nF

12 nF

15 nF

22 nF

27 nF

33 nF

39 nF

100 nF

150 nF

220 nF

270 nF

330 nF

470 nF

560 nF

680 nF

820 nF

 $1\,\mu\text{F}$ 

 $3.3\,\mu F$ 

 $4.7\,\mu F$ 

 $6.8\,\mu F$ 

 $8.2\,\mu F$ 

 $10\,\mu\text{F}$ 

22 μF

 $33\,\mu\text{F}$ 

47 μF

68 μF 82 μF

•

 $100\,\mu\text{F}$ 

 $150\,\mu\text{F}$ 

 $220\,\mu\text{F}$ 

 $330\,\mu\text{F}$ 

 $470\,\mu\text{F}$ 

 $820\,\mu F$