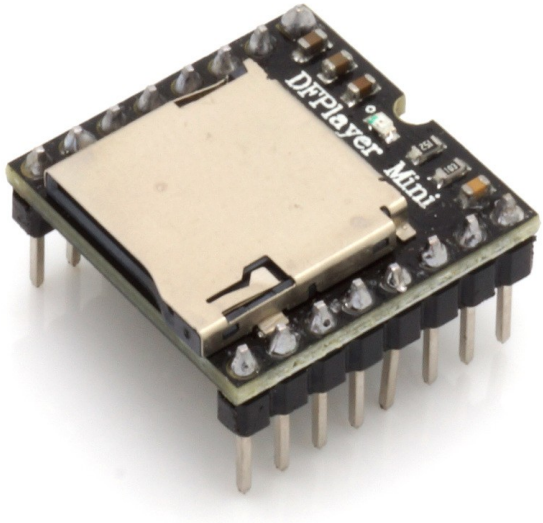
Datenblatt

MP3 Player Modul mit eingebautem Verstärker



BERRYBASE

Numero Ordine:	DFP-MINI
Hersteller:	BerryBase
EAN:	4251266700302
Herkunftsland:	China
Zolltarifnummer:	84733020
Gewicht:	0.01 kg

Der DFPlayer Mini dekodiert MP3- und WAV-Dateien von einer Micro-SD-Karte. Er kann entweder über serielle Schnittstelle mit einem Arduino-Gerät, oder dank des integrierten Verstärkers direkt an einen Lautsprecher (bis 3W) angeschlossen und über Tastschalter gesteuert werden.

Eigenschaften

- Unterstüzte Abtastraten(kHz): 8/11.025/12/16/22.05/24/32/44.1/48
- 24-bit DAC output, dynamischer Bereich: 90 dB, SNR: 85 dB
- Unterstützt FAT16 und FAT32
- Slot für TF/micro-SD-Karte, bis 32GB, unterstützt U-Disk bis 32GB, 64MB NORFLASH
- Betriebsspannung: 3,2-5V
- Stromaufnahme (Standby): 20 mA
- Audioausgänge: DAC, Verstärker für Lautsprecher bis zu 3W
- Audiodateien werden in Ordnern organisiert (bis zu 100 Ordner mit je bis zu 255 Dateien möglich)
- 30 Lautstärkestufen, Equalizer
- Schnittstelle: Seriell RX/TX, Baudrate: 9600
- Chipsatz: GD3200D
- Abmessungen: ca. 2 x 2 cm

Dokumentation / Downloads

- https://wiki.dfrobot.com/DFPlayer_Mini_SKU_DFR0299

Weitere Bilder:

Tutti i nomi e i segni qui elencati sono di proprietà del rispettivo produttore.
Salvo errori di stampa, modifiche ed errori.

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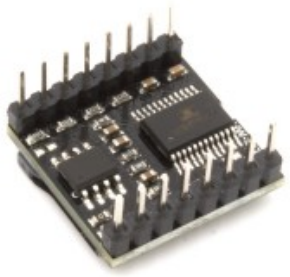

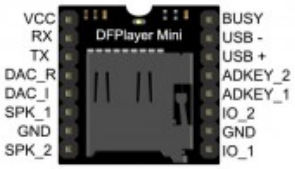

Pin	Description	Note
VCC	Input Voltage	DC3.2~5.0V,Typic: DC4.2V
RX	UART serial input	
TX	UART serial output	
DAC_R	Audio output right channel	Drive earphone and amplifier
DAC_L	Audio output left channel	Drive earphone and amplifier
SPK2	Speaker-	Drive speaker less than 3W
GND	Ground	Power GND
SPK1	Speaker+	Drive speaker less than 3W
IO1	Trigger port 1	Short press to play previous/ long press to decrease volume/
GND	Ground	Power GND
IO2	Trigger port 2	Short press to play next/ long press to increase volume/
ADKEY1	AD Port 1	Trigger play first segment
ADKEY2	AD Port 2	Trigger play fifth segment
USB+	USB+ DP	USB Port
USB-	USB- DM	USB Port
BUSY	Playing Status	Low means playing/ High means no

Format: SS VER Len CMD Feedback para1 para2 checksum SO		
SS	Start bit 0x7E	Each command feedback begin with $, that is 0x24
VER	Version	Version Information
Len	the number of bytes after "Len"	Checksums are not counted
CMD	Commands	Indicate the specific operations, such as play / pause, etc.
Feedback	Command feedback	1/ need for feedback , 1 / feedback, 0/ no feedback
para1	Parameter 1	Query high data byte
para2	Parameter 2	Query low data byte
checksum	Checksum	Accumulation and verification (not include start bit 和)
SO	End bit	End bit 0xEF

For example, if we specify play NORFLASH, you need to send: 7E FF 06 09 00 80 04 FF DD EF
Data length is 6, which are 6 bytes [FF 06 09 00 80 04]. Not counting the start, end, and verification.

Commands	Function Description	Parameters(16 bit)
0x0C	STAT	
0x0D	STAT	
0x3E	STAT	
0x3F	Send initialization parameters	0 - 0x4F(each bit represent one device of the low-four bits)
0x40	Returns an error, request retransmission	
0x41	Reply	
0x42	Query the current status	
0x43	Query the current volume	
0x44	Query the current EQ	
0x45	Query the current playback mode	
0x46	Query the current software version	
0x47	Query the total number of TF card files	
0x48	Query the total number of U-disk files	
0x49	Query the total number of flash files	
0x4A	Keep on	
0x4B	Queries the current track of TF card	
0x4C	Queries the current track of U-Disk	
0x4D	Queries the current track of Flash	

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