

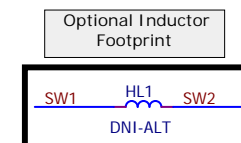
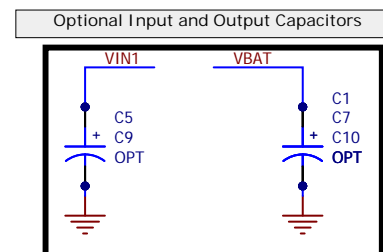
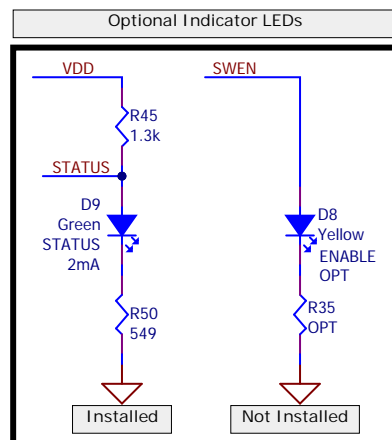
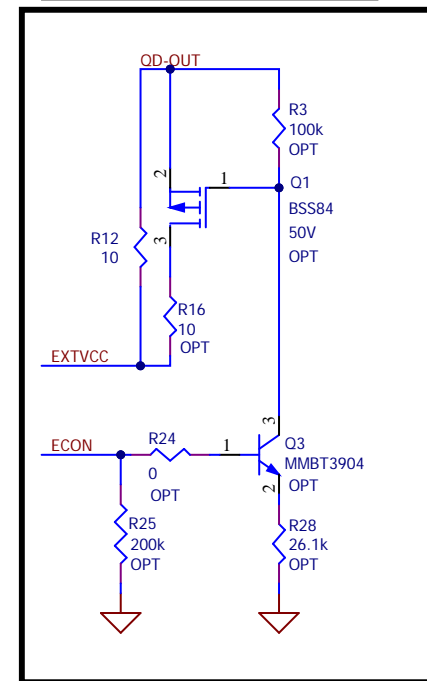
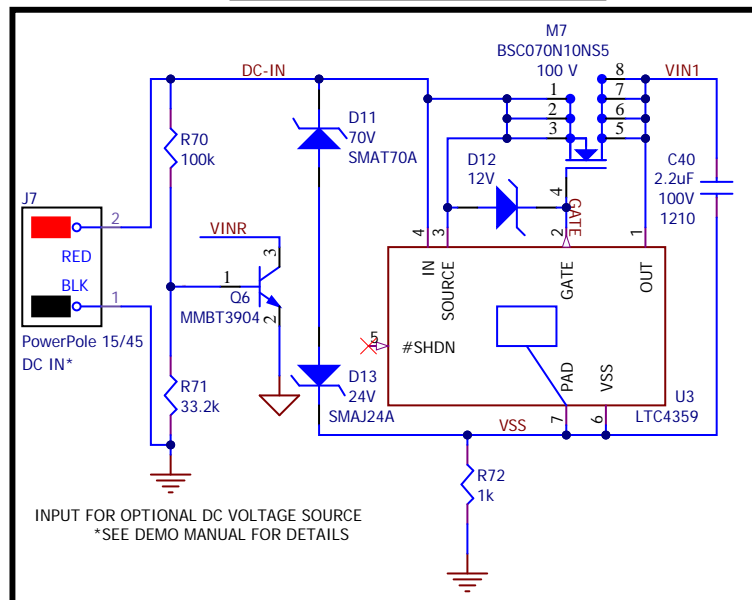

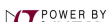


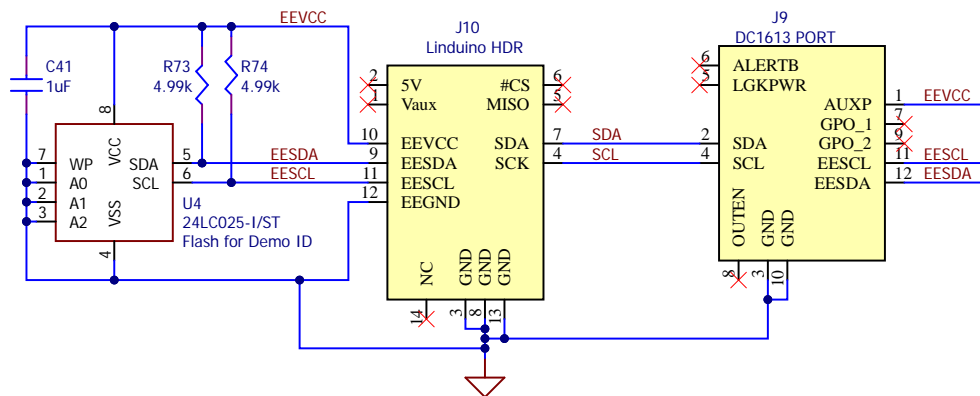
APPROVALS		DATE		  Analog Devices, Inc www.analog.com		1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408) 432-1900 Fax: (408) 434-0507	
DRAWN	C0	11-28-19					
CHECKED	AS	02-21-20					
UPDATED	C0	04-24-20		TITLE LT8491 MPPT CHARGER with TELEMETRY SHEET DESC: LT8491 with Core Circuitry			
ADI CONFIDENTIAL For Customer Use Only With ADI parts (c) 2019 Analog Devices				SIZE A	PROJECT TYPE 6-Layer Demo Board Print Date: 04/27/20 10:59:29 AM	DWG NO DC2703A	REV 4
SCALE: NONE		FILENAME: CIS1.SchDoc			SHEET 1 OF 3		

OPTIONS AVAILABLE ON DEMO BOARD
*SEE DEMO MANUAL FOR DETAILS

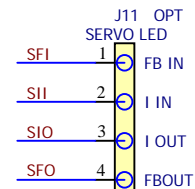
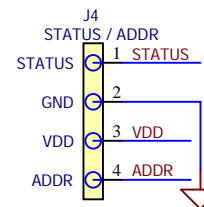
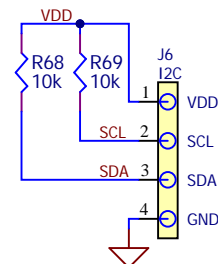
EXTVCC Disconnect
Remove R12 and Install OPT options



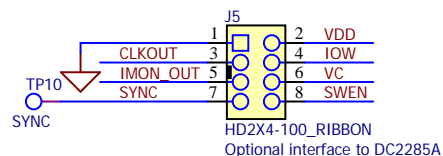
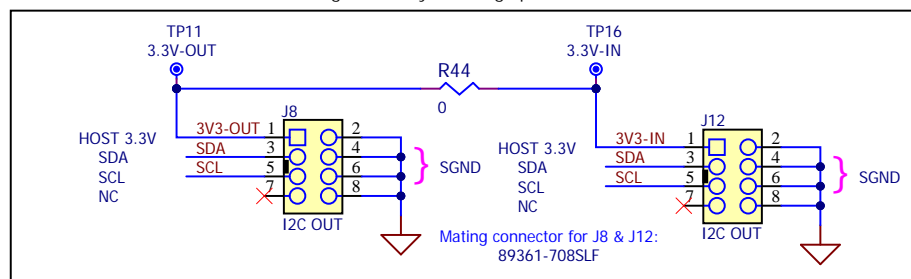
APPROVALS	DATE	 ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™	 POWER BY LINEAR	Analog Devices, Inc www.analog.com	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408) 432-1900 Fax: (408) 434-0507	
DRAWN	CO					11-29-19
CHECKED	AS					02-21-20
UPDATED	CO					04-24-20
ADI CONFIDENTIAL For Customer Use Only with ADI parts (c) 2019 Analog Devices		TITLE LT8491 MPPT CHARGER with TELEMETRY SHEET DESC: Optional Circuits				
SIZE A		PROJECT TYPE 6-Layer Demo Board Print Date: 04/27/20 10:59:29 AM		DWG NO DC2703A	REV 4	
SCALE: NONE		FILENAME: CIS2.SchDoc		SHEET 2	OF 3	



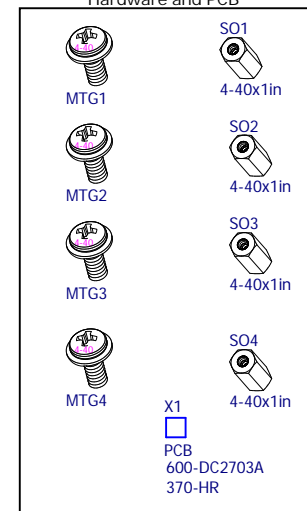
R68, R69: Remove if I2C host has pullups



I2C Pass-Through for Daisy Chaining up to 4 DC2703A





Hardware and PCB



J1, J2, J7 Anderson Connectors Assemble from these Parts

MP1 Manufacturer PN: 1327 Part 1 of 5, HSG Red	MP6 Manufacturer PN: 1327 Part 1 of 5, HSG Red	MP11 Manufacturer PN: 1327 Part 1 of 5, HSG Red
MP2 Manufacturer PN: 1327G6 Part 2 of 5 Housing Black	MP7 Manufacturer PN: 1327G6 Part 2 of 5 Housing Black	MP12 Manufacturer PN: 1327G6 Part 2 of 5 Housing Black
MP3 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal	MP8 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal	MP13 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal
MP4 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal	MP9 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal	MP14 Manufacturer PN: 1377G12-BK Part 3&4 of 5 Terminal
MP5 Manufacturer PN: 114555P2 Part 5 of 5 Mounting Staple	MP10 Manufacturer PN: 114555P2 Part 5 of 5 Mounting Staple	MP15 Manufacturer PN: 114555P2 Part 5 of 5 Mounting Staple

APPROVALS		DATE		 ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™		 POWER BY LINEAR Analog Devices, Inc www.analog.com		1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408) 432-1900 Fax: (408) 434-0507			
DRAWN	C0	11-28-19									
CHECKED	AS	02-21-20									
UPDATED	C0	04-24-20									
<div>ADI CONFIDENTIAL For Customer Use Only with ADI parts (c) 2019 Analog Devices</div>				TITLE LT8491 MPPT CHARGER with TELEMTRY							
				SHEET DESC: Connectors, Hardware and Misc							
				SIZE A		PROJECT TYPE 6-Layer Demo Board Print Date: 04/27/20 10:59:30 AM		DWG NO DC2703A		REV 4	
SCALE: NONE		FILENAME: CIS3.SchDoc				SHEET 3		OF 3			