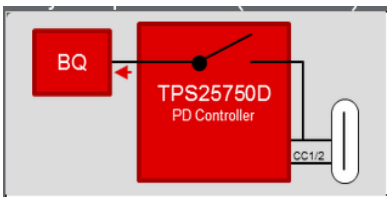
▼Questionnaire

項目	設定
1. Are you a power source (provider) and a power sink (consumer)? Are you a power sink (consumer) only?	
2. What is the maximum power that can be sourced?	-
3. What is the required sink power or power consumed?	100W (20V)
4. What is the preferred power role?	-
5. What is the supported USB Highest Speed?	No USB data is being used
6. DO you have a pregerred data role?	-
7. Do you have a Vendor ID provided by the USB-IF?	No, use the TI Vendor ID in the Vendor Information File(VIF)
8. Do you have a desired Product ID?	No, use "0x0000" as the Product ID
9. Select the battery charger component to integrate:	BQ25790 or BQ25792
10. What is the battery charging voltage? (Valid values: 3.00V-18.80V)	16.8V
11. What is the battery charging current? (Valid values: 0.050A-5.000A)	1.6A
12. What si the charge temination current? (Valid values: 0.040A-1.000A / Value must be in steps of 0.04A)	0.04A
13. What is the pre-charge current? (Valid values: 0.040A-2.000A / Value must be in steps of 0.04A)	0.32A

▼Configuration

Configuration Registers	resister name or hex address	Bit Position	Fileld	Value	Raw Field Value
Customer Use (0x6)	Customer Use Group 0	[0:32]	Customer Use Word 1		Hex 0x0 Int:0
		[32:64]	Customer Use Word 2		Hex 0x0 Int:0
Interrupt Mask for I2C1 (0x16)	Interrupt Mask for I2C1	[1]	PD Hardreset	○Default	Hex: 0x1 Int: 1
		[3]	Plug Insert or Removal	○Default	Hex: 0x1 Int: 1
		[4]	Power Swap Complete		Hex: 0x0 Int: 0
		[5]	Data Swap Complete		Hex: 0x0 Int: 0
		[12]	New Contract as Consumer	○Default	Hex: 0x1 Int: 1
		[13]	New Contract as Provider	○Default	Hex: 0x1 Int: 1
		[14]	Source Cap Message Received		Hex: 0x0 Int: 0
		[17]	Power Swap Requested		Hex: 0x0 Int: 0
		[18]	Data Swap Requested		Hex: 0x0 Int: 0
		[20]	USB Host Present	○Default	Hex: 0x1 Int: 1
		[21]	USB Host No Longer Present	○Default	Hex: 0x1 Int: 1
		[22]	System Fault Indicator		Hex: 0x0 Int: 0
		[23]	Power Path Switch Changed		Hex: 0x0 Int: 0
		[24]	Power Status Updated	○Default	Hex: 0x1 Int: 1
		[26]	Status Updated	○Default	Hex: 0x1 Int: 1
		[27]	PD Status Updated	○Default	Hex: 0x1 Int: 1
		[30]	CMD1 Complete	○Default	Hex: 0x1 Int: 1
		[32]	Device Incompatible Error		Hex: 0x0 Int: 0
		[33]	Cannot Provide Voltage or Current Error		Hex: 0x0 Int: 0
		[34]	Can Provide Voltage or Current Later Error		Hex: 0x0 Int: 0
		[35]	Power Event Occurred Error		Hex: 0x0 Int: 0
		[36]	Missing Get Capabalities Message Error		Hex: 0x0 Int: 0
		[38]	Protocol Error		Hex: 0x0 Int: 0
		[39]	Message Data Error		Hex: 0x0 Int: 0
		[42]	Sink Transition Completed		Hex: 0x0 Int: 0
		[43]	Plug Early Notification		Hex: 0x0 Int: 0
		[46]	Unable to Source Error		Hex: 0x0 Int: 0
		[65]	TX Memory Buffer Empty		Hex: 0x0 Int: 0
	Common Interrupt Mask for I2C	[80]	Patch Loaded	○Default	Hex: 0x1 Int: 1
		[81]	Ready for Patch	○Default	Hex: 0x1 Int: 1
		[82]	I2C Master NACKed		Hex: 0x0 Int: 0
Transmint Source Capabilities (0x32)	Number of Source PDOs	[0:3]	Number Valid PDOs	0	Hex: 0x0 Int: 0
Transmint Sink Capabilities (0x33)	Number of Sink PDOs	[0:3]	Number Valid PDOs	4	Hex: 0x4 Int: 4
	Sink PDO 1	[8:18]	Operating Current	3	Hex: 0x12C Int: 300
		[18:28]	Voltage	5	Hex: 0x64 Int: 100
		[28:30]	Peak Current	100%	Hex: 0x0 Int: 0
		[36]	Higher Capability	○Default	Hex: 0x1 Int: 1
		[38:40]	Supply Type	Fixed	Hex: 0x0 Int: 0
	Sink PDO 2	[70:72]	Supply Type	Fixed	Hex: 0x0 Int: 0
		[40:50]	Operating Current	3	Hex: 0x12C Int: 300
		[50:60]	Voltage	9	Hex: 0xB4 Int: 180
		[60:62]	Peak Current Higher Capability	100%	Hex: 0x0 Int: 0
	Sink PDO 3	[102:104]	Supply Type	Fixed	Hex: 0x0 Int: 0
		[72:82]	Operating Current	3	Hex: 0x12C Int: 300
		[82:92]	Voltage	15	Hex: 0x12C Int: 300
		[92:94]	Peak Current Higher Capability	100%	Hex: 0x0 Int: 0
	Sink PDO 4	[134:136]	Supply Type	Fixed	Hex: 0x0 Int: 0
		[104:114]	Operating Current	5	Hex: 0x1F4 Int: 500
		[114:124]	Voltage	20	Hex: 0x190 Int: 400
		[124:126]	Peak Current Higher Capability	100%	Hex: 0x0 Int: 0
IO Config (0x5C)	GPIO 0	N/A	Multiplexing for GPIO 0 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[288:295]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[64]	Initial Value		Hex: 0x0 Int: 0
		[96]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[160]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[192]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[256]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 1	N/A	Multiplexing for GPIO 1 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[296:303]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[65]	Initial Value		Hex: 0x0 Int: 0
		[97]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[161]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[193]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[257]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 2	N/A	Multiplexing for GPIO 2 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[304:311]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[66]	Initial Value		Hex: 0x0 Int: 0
		[98]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[162]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[194]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[258]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 3	N/A	Multiplexing for GPIO 3 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[312:319]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[67]	Initial Value		Hex: 0x0 Int: 0
		[99]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[163]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[195]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[259]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 4	N/A	Multiplexing for GPIO 4 Pin	ltiplexed to Alternate Function(D-	Hex: 0x2 Int: 2
	GPIO 5	N/A	Multiplexing for GPIO 5 Pin	ltiplexed to Alternate Function(D-	Hex: 0x2 Int: 2
	GPIO 6	N/A	Multiplexing for GPIO 6 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[336:343]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[70]	Initial Value		Hex: 0x0 Int: 0
		[102]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[166]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[198]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[262]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 7	N/A	Multiplexing for GPIO 7 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[344:351]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[71]	Initial Value		Hex: 0x0 Int: 0
		[103]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[167]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[199]	Internal Pull Up Enable		Hex: 0x0 Int: 0
		[263]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 10	N/A	Multiplexing for GPIO 10 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[368:375]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[71]	Initial Value		Hex: 0x0 Int: 0
		[103]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[167]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[199]	Internal Pull Up Enable	○Default	Hex: 0x1 Int: 1
		[263]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 11	N/A	Multiplexing for GPIO 11 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[376:383]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[75]	Initial Value		Hex: 0x0 Int: 0
		[107]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[171]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[203]	Internal Pull Up Enable	○Default	Hex: 0x1 Int: 1
		[267]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0
	GPIO 12	N/A	Multiplexing for GPIO 12 Pin	Pin Multiplexed to GPIO	Hex: 0x0 Int: 0
		[384:391]	GPIO Mapped Event	Disable	Hex: 0x0 Int: 0
		[76]	Initial Value	○Default	Hex: 0x0 Int: 0
		[108]	Open Drain Output Enable		Hex: 0x0 Int: 0
		[172]	Internal Pull Down Enable		Hex: 0x0 Int: 0
		[204]	Internal Pull Up Enable		Hex: 0x1 Int: 1
		[268]	GPIO Event Polarity	Direct Mapped Event	Hex: 0x0 Int: 0