HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY



Faculty of Electronics and Electrical Engineering

EMBEDDED SYSTEM

Group: 15 Class: TT01

BATTERY CHARGER

Instructor:

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HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY

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Product Requirements Document BATTERY CHARGER

OVERVIEW

Name: Battery Charger

It charge battery, powered through IC TC4056, capable of charging Li-lon 3.7V and

Li-Po 4.2V battery

PRODUCT REQUIREMENTS

P0: Must have requirements

P1: Optional requirements, would be nice to have those at lauch

1. Industrial Design

#	Feature/Characteristics	Product	Priorities	Notes
"	r catare/orial acteriolics	Requirements	THORIGS	110100
1.1	Dimension	x 3cm	P0	
		(LxWxH)		
1.2	Material	Plastic	P0	
1.3	Connector	Micro USB port	P0	
1.4	LED Display	Status for	P1	
		charging/charged		

2. Power

#	Feature/Characteristics	Product Requirements	Priorities	Notes
2.1	Power	Cable Powered, shall use Micro USB port	P0	
2.2	Power Theshold	Taking maximum of 8V and 0.5A input current	P0	

3. Durability

#	Feature/Characteristics	Product Requirements	Priorities	Notes
3.1	Life Time	At least 1 year	P0	
3.2 Drop Test	Drop Toot	Survived when	P1	
	dropped 1m	FI		
3.3	Adhering	Shall not be	P0	
		dangerous to use		

4. Compatibility

# Feature/Characteristics	Feature/Characteristics	Product	Priorities	Notes
	Requirements	FHORIGS	Notes	
4.1	Li-Ion 3.7V and Li-Po 4.2V	Must be compatible	P0	
4.2	D type Battery	Should be compatible	P1	
4.3	AAA type Battery	Should be compatible	P1	