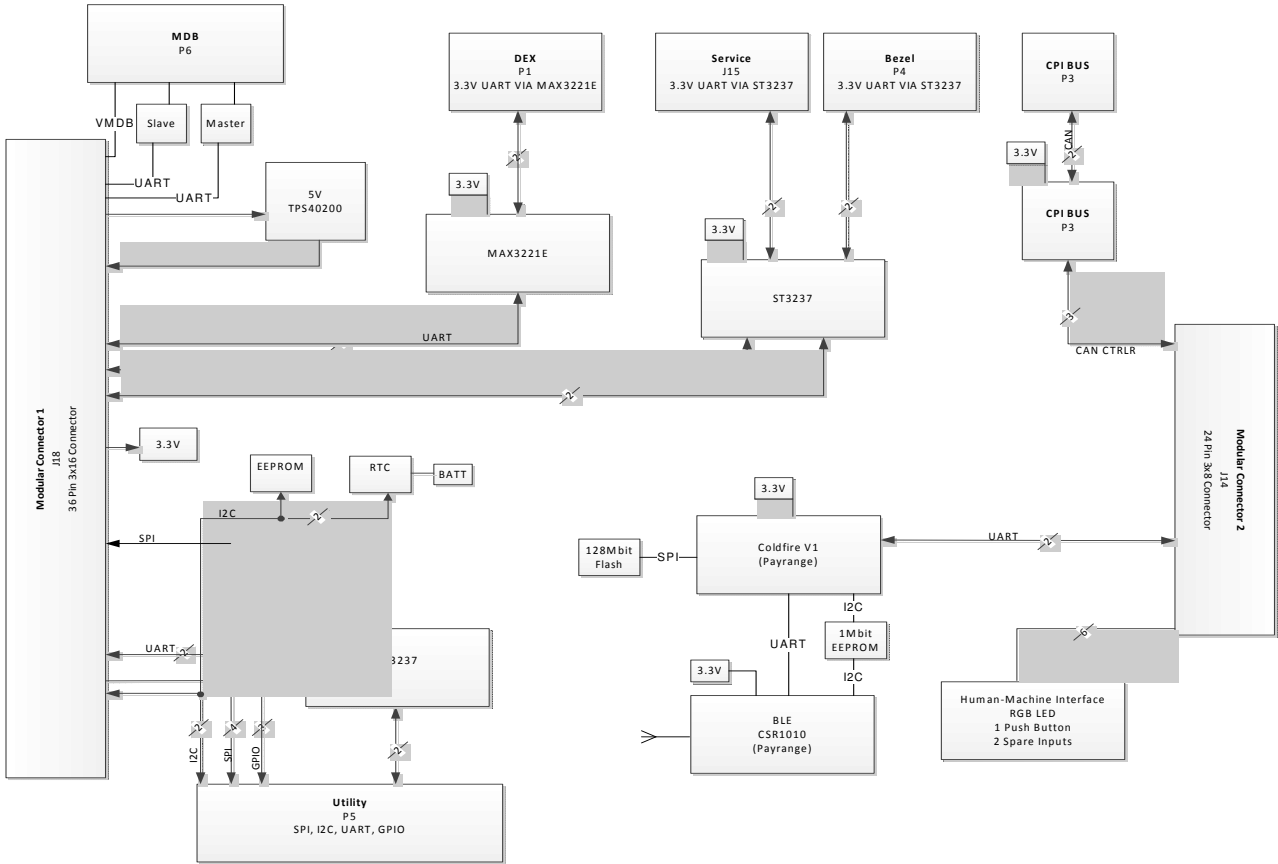


CORA, Model :COR152-US, Utility Board
Assembly # 111551774C



REVISIONS			
REV	ECN	DATE	CHECKED
SEE CPI MRP DATABASE FOR CHANGE HISTORY AFTER INITIAL DESIGN RELEASE			

Applicable Site(s) : MVN
Alliance MDB+PayRange Utility PCBA Hardware Design
Subject : Document
REF : 300002382C
ECN : Issue G1
Page : 1 of 1



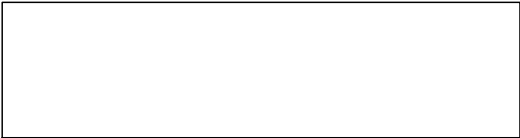
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Number : 300002382C
Issue : G1
Date : September 12, 2018
Authors : M. Perreca
File : 300002382Cp1 Hardware Design Document.doc

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CIRCUIT DESIGN NOTEBOOK

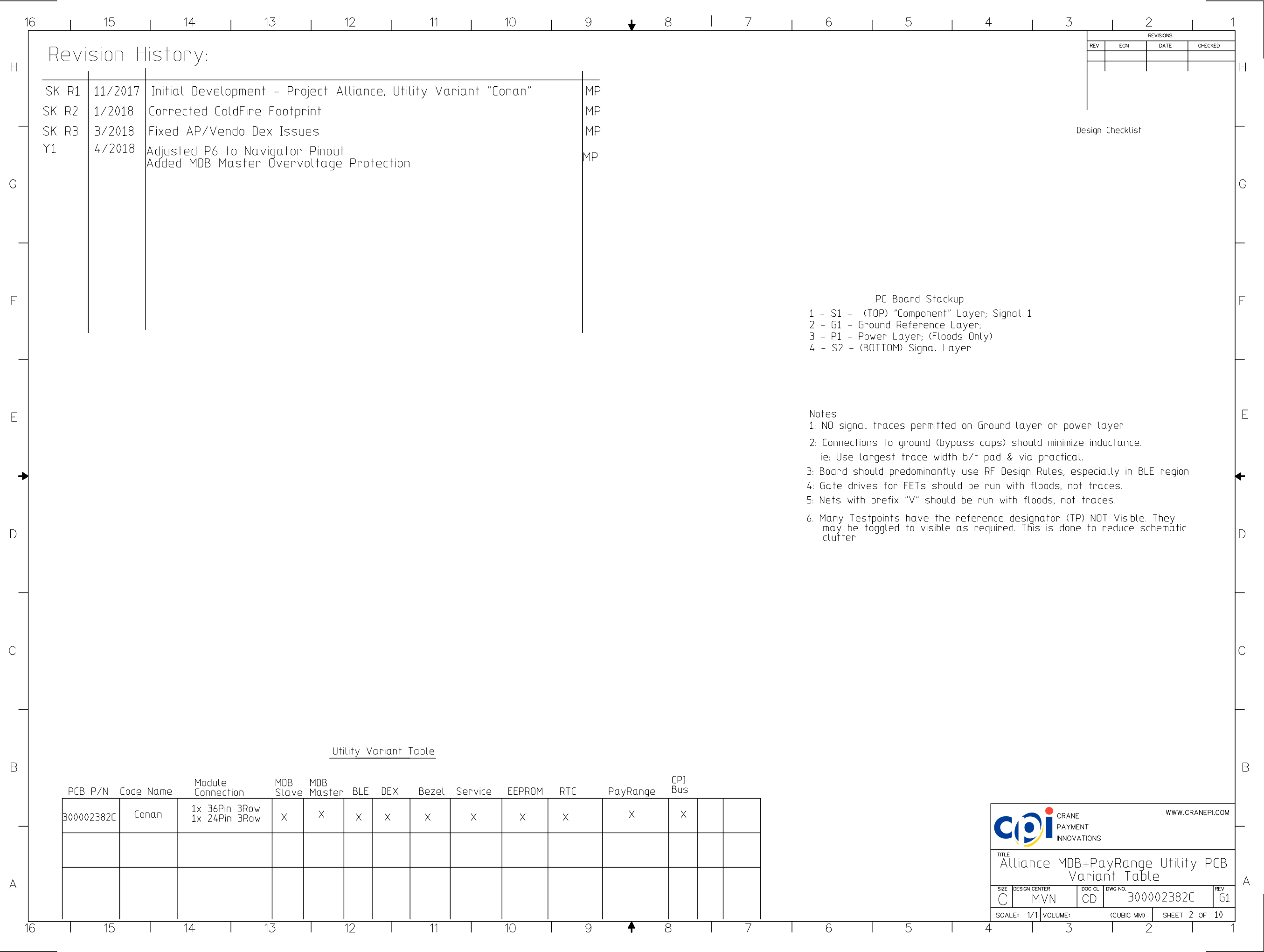
MECHANICAL PARTS

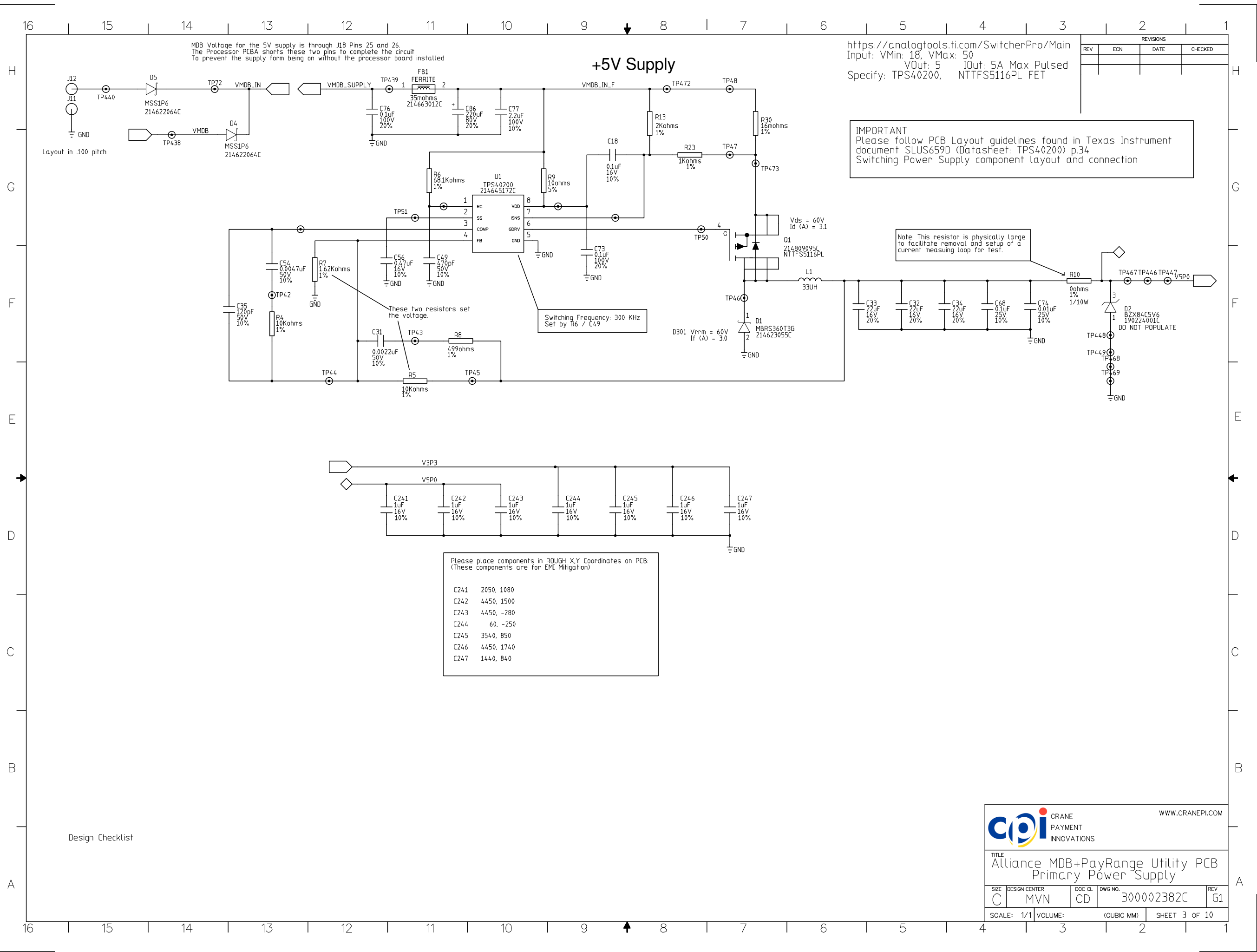


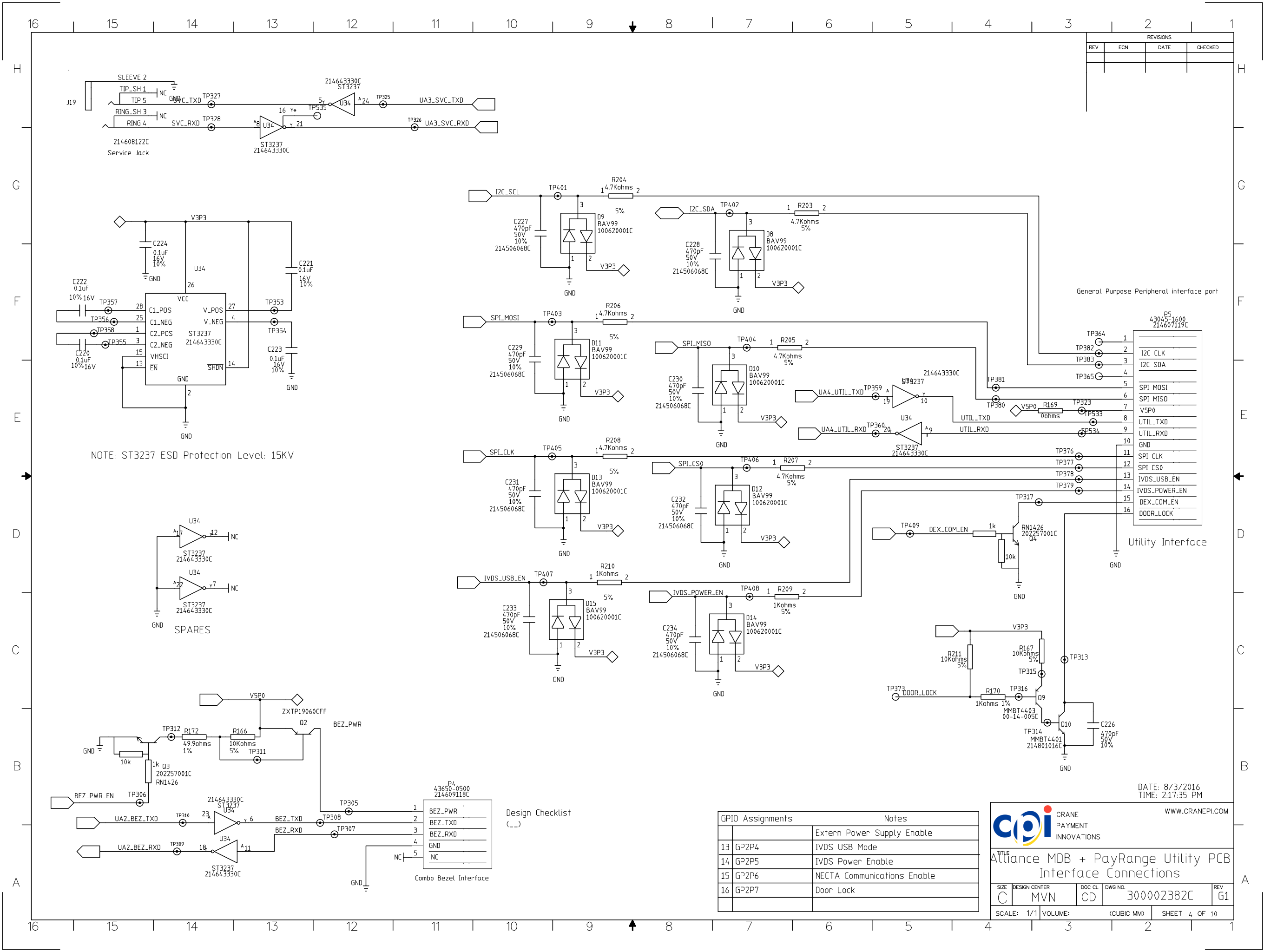
LAST REVISED
DATE: 9/19/2018
TIME: 8:51:59 AM

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	REFERENCE PART NO:								
	DRAWN:	DATE	TITLE Alliance MDB+PayRange Utility PCB Block Diagram						
	Mike Perreca								
CHECKED:	DATE	SIZE	DESIGN CENTER	DOC CL	DWG NO.	REV			
Tony Radice	-	C	MVN	CD	300002382C	G1			
PROJECT ENGINEER:	DATE	SCALE: 1/1		VOLUME:		(CUBIC MM)		SHEET 1 OF 10	
Tony Radice	-								







REVISIONS			
REV	ECN	DATE	CHECKED

P5			
43045-1600	214607119C		
1	TP364	1	I2C CLK
2	TP382	2	I2C SDA
3	TP383	3	SPI MOSI
4	TP365	4	SPI MISO
5	TP359	5	V5P0
6	TP323	6	UTIL_TXD
7	TP533	7	UTIL_RXD
8	TP534	8	GND
9	TP376	9	SPI CLK
10	TP377	10	SPI CS0
11	TP378	11	IVDS_USB_EN
12	TP379	12	IVDS_POWER_EN
13		13	DEX_COM_EN
14		14	DOOR_LOCK
15		15	
16		16	

DATE: 8/3/2016
TIME: 2:17:35 PM



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TITLE

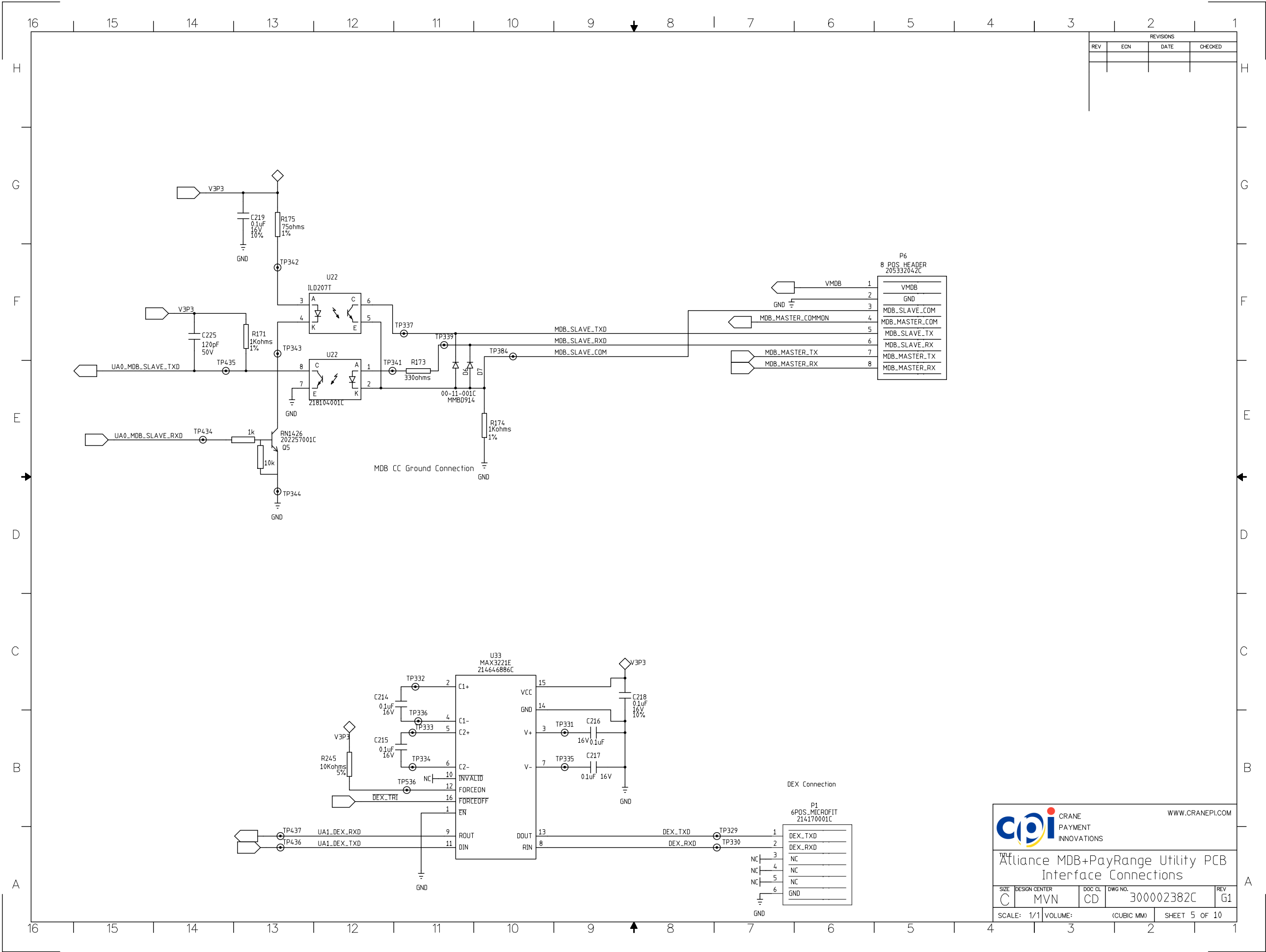
Alliance MDB + PayRange Utility PCB
Interface Connections

SIZE	DESIGN CENTER	DOC CL	DWG NO.	REV
C	MVN	CD	300002382C	G1

SCALE: 1/1	VOLUME:	(CUBIC MM)	SHEET 4 OF 10
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GPIO Assignments		Notes
		Extern Power Supply Enable
13	GP2P4	IVDS USB Mode
14	GP2P5	IVDS Power Enable
15	GP2P6	NECTA Communications Enable
16	GP2P7	Door Lock

Design Checklist
(...)



REVISIONS			
REV	ECN	DATE	CHECKED

P6
8 POS HEADER
205332042C

VMDB	1
GND	2
GND	3
MDB_SLAVE_COMMON	4
MDB_MASTER_COMMON	5
MDB_SLAVE_TX	6
MDB_SLAVE_RX	7
MDB_MASTER_TX	8
MDB_MASTER_RX	8

U33
MAX3221E
214646886C

DEX Connection

P1
6POS_MICROFIT
214170001C

DEX_TXD	1
DEX_RXD	2
NC	3
NC	4
NC	5
GND	6

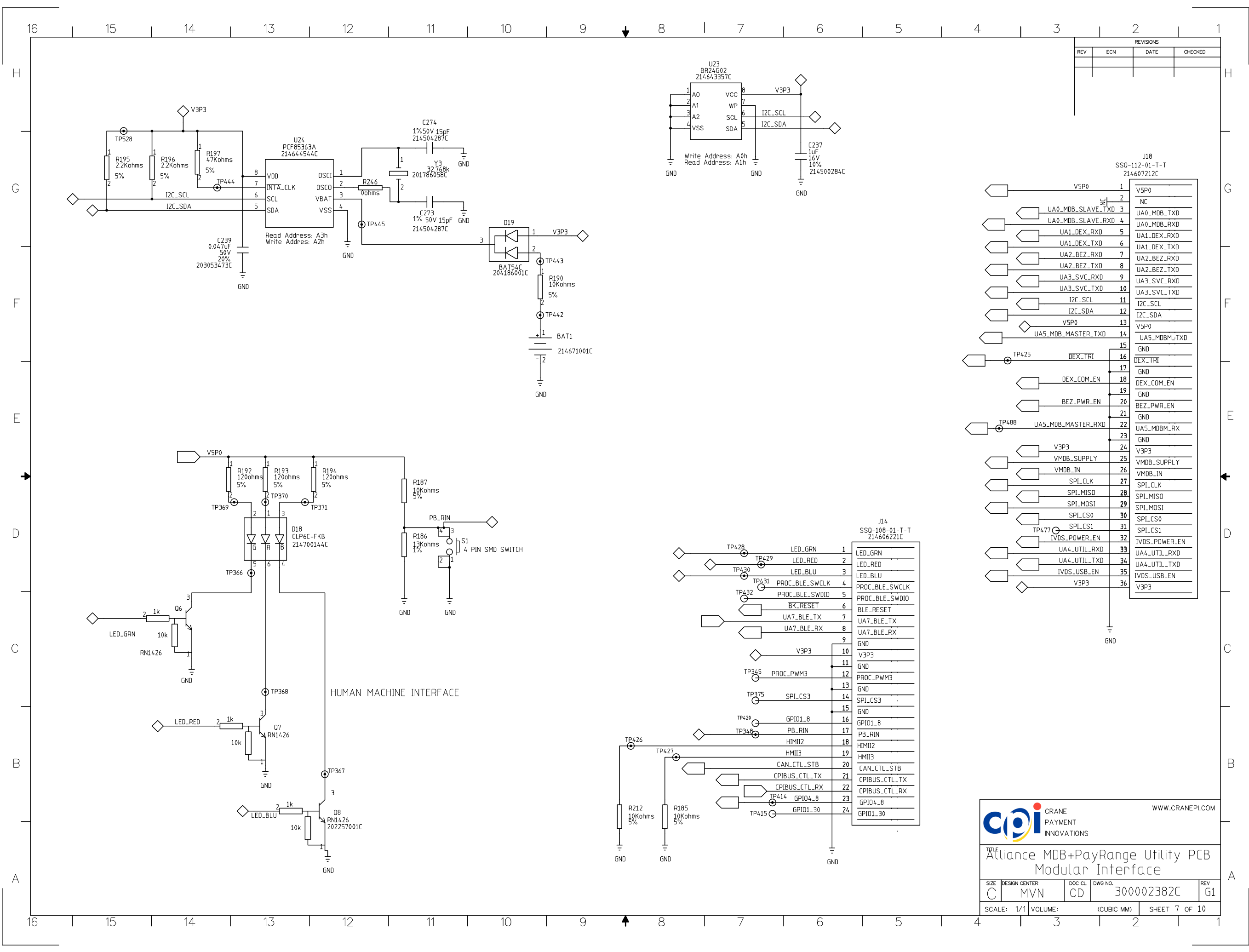


ALLIANCE
Alliance MDB+PayRange Utility PCB
Interface Connections

SIZE	DESIGN CENTER	DOC CL	DWG NO.	REV
C	MVN	CD	300002382C	G1
SCALE: 1/1		VOLUME: (CUBIC MM)		SHEET 5 OF 10



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TITLE Alliance MDB+PayRange Utility PCB MDB Master Interface					
SIZE C	DESIGN CENTER MVN	DOC CL CD	DWG NO. 300002382C	REV G1	
SCALE: 1/1		VOLUME: (CUBIC MM)		SHEET 6OF 10	



REVISIONS			
REV	ECN	DATE	CHECKED

1	V5P0
2	NC
3	UA0_MDB_SLAVE_TXD
4	UA0_MDB_SLAVE_RXD
5	UA0_MDB_RXD
6	UA1_DEX_RXD
7	UA1_DEX_TXD
8	UA2_BEZ_RXD
9	UA2_BEZ_TXD
10	UA3_SVC_RXD
11	UA3_SVC_TXD
12	UA5_MDB_MASTER_TXD
13	UA5_MDB_MASTER_RXD
14	UA5_MDB_SLAVE_TXD
15	UA5_MDB_SLAVE_RXD
16	UA5_MDB_SLAVE_TXD
17	UA5_MDB_SLAVE_RXD
18	UA5_MDB_SLAVE_TXD
19	UA5_MDB_SLAVE_RXD
20	UA5_MDB_SLAVE_TXD
21	UA5_MDB_SLAVE_RXD
22	UA5_MDB_SLAVE_TXD
23	UA5_MDB_SLAVE_RXD
24	UA5_MDB_SLAVE_TXD
25	UA5_MDB_SLAVE_RXD
26	UA5_MDB_SLAVE_TXD
27	UA5_MDB_SLAVE_RXD
28	UA5_MDB_SLAVE_TXD
29	UA5_MDB_SLAVE_RXD
30	UA5_MDB_SLAVE_TXD
31	UA5_MDB_SLAVE_RXD
32	UA5_MDB_SLAVE_TXD
33	UA5_MDB_SLAVE_RXD
34	UA5_MDB_SLAVE_TXD
35	UA5_MDB_SLAVE_RXD
36	UA5_MDB_SLAVE_TXD



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TITLE Alliance MDB+PayRange Utility PCB
Modular Interface

SIZE C	DESIGN CENTER MVN	DOC CL CD	DWG NO. 300002382C	REV G1
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SCALE: 1/1 VOLUME: (CUBIC MM) SHEET 7 OF 10

