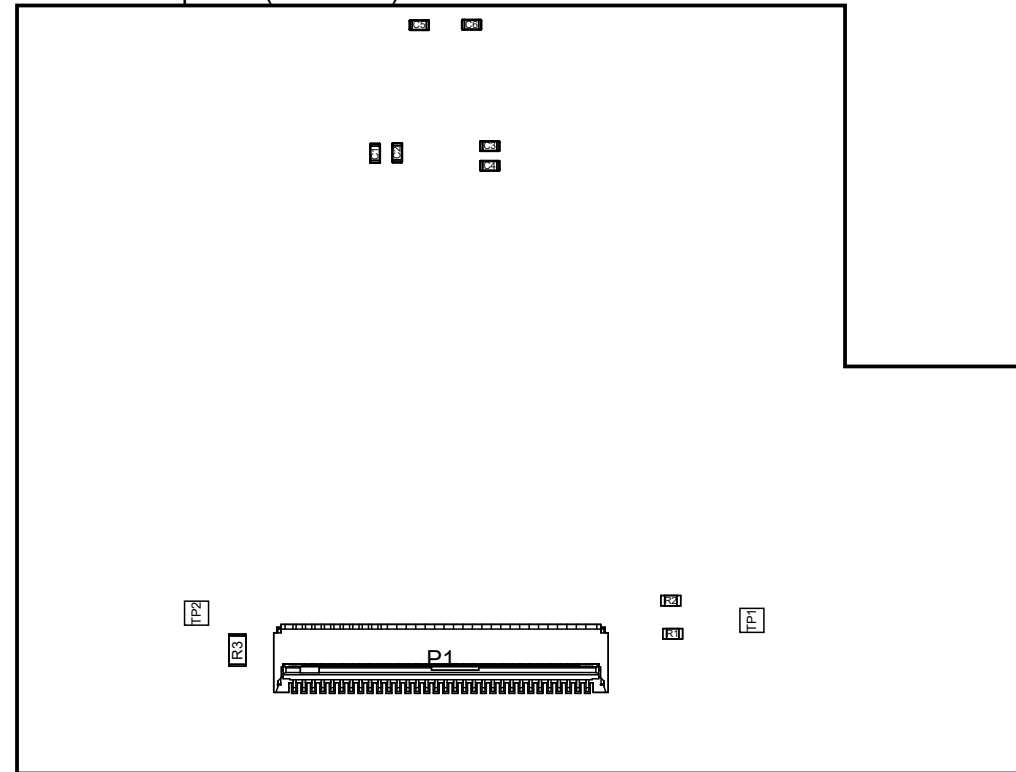


REV	Description	Date	Appr
1.0	1. Initial release	8/5/2021	
2.0	1. Added Tespoints and resistor	5/12/2023	

View from Top side (Scale 5:2)



Notes: (All Dimensions are in mm)

1. All dimensional tolerances per IPC-2615
2. All boards to be cleaned, inspected, and date stamped
3. Workmanship to be equal to and compliant with the requirements of IPC-A-610
4. This assembly contains electrostatic discharge (ESD) sensitive devices; static-free handling is required per MIL-STD-1686, class 2
5. Conformal coating is not required.
6. Boards to be electrical tested per IPC- 9252 and marked or stamped to show that the board passed.
7. Board should be RoHs compliant .

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROMTech. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PROPRIETARY AND CONFIDENTIAL			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ROMTech			
			DIMENSIONS ARE IN mm	DRAWN		5/12/2023	TITLE  Romtech SBC-CAM PCA			
			TOLERANCES:	CHECKED						
			FRACTIONAL±	ENG APPR.						
			ANGULAR: MACH± BEND ±	MFG APPR.						
			TWO PLACE DECIMAL ±	Q.A.						
			THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.		REV.
			INTERPRET GEOMETRIC TOLERANCING PER:				16016-200		2	
			MATERIAL				SCALE: 1:1	WEIGHT:	SHEET 1 OF 4	
	NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING								

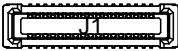
A

B

C

D

View from Bottom side (Scale 5:2)



1

1

2

2

THE INFORMATION CONTAINED IN  
THIS DRAWING IS THE SOLE  
PROPERTY OF  
ROMTech. ANY REPRODUCTION IN  
PART OR AS A WHOLE WITHOUT  
THE WRITTEN PERMISSION OF

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ROMTech			
		DIMENSIONS ARE IN mm	DRAWN		5/12/2023	TITLE  Romtech SBC-CAM PCA			
		TOLERANCES:	CHECKED						
		FRACTIONAL±	ENG APPR.						
		ANGULAR: MACH±    BEND ±	MFG APPR.						
		TWO PLACE DECIMAL   ±	Q.A.						
		THREE PLACE DECIMAL   ±	COMMENTS:			SIZE    DWG. NO.    REV.  16016-200    2			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 2 OF 4

A

B

C

D

A

B

C

D

Bill Of Materials

Line #	Designator	Name	Quantity	Manufacturer 1	Manufacturer Part Number 1	Description
1	R3	0	1	Stackpole Electronics Inc	RMCF0603ZT0R00	RES 0 OHM JUMPER 1/10W 0603
2	C2, C4, C6	0.1uF	3	Samsung Electro-Mechanics	CL05B104KP5NNNC	CAP CER 0.1UF 10V X7R 0402
3	C1, C3, C5	10uF	3	Murata Electronics	GRM155R61A106ME11D	CAP CER 10UF 10V X5R 0402
4		16016-100	1			SBC CAM BOARD
5	P1	503480-3200	1	Molex	503480-3200	0.5 mm Pitch Easy-On(TM) BackFlip(TM) Type FPC Connector, 1.0 mm Mated Height, Right Angle, SMT, Dual Contact, 32 Circuits, -40 to 85 degC, ELV and RoHS Compliant, Tape and Reel
6	J1	BM20B(0.8)-34DS-0.4V(53)	1	Hirose Electric Co Ltd	BM20B(0.8)-34DS-0.4V(53)	34 Position Connector Receptacle, Center Strip Contacts Surface Mount Gold
7	R1, R2	DNP	2			Resistor

1

1

2

2

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROMTech. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF

PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ROMTech		
		DIMENSIONS ARE IN mm	DRAWN		5/12/2023	TITLE  Romtech SBC-CAM PCA		
		TOLERANCES:	CHECKED					
		FRACTIONAL±	ENG APPR.					
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	REV.
		INTERPRET GEOMETRIC TOLERANCING PER:					16016-200	2
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 3 OF 4

A

B

C

D

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.010mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.036mm		Signal	GTL
Prepreg		0.127mm	PP-006	Dielectric	
CF-004	GND	0.035mm		Internal Plane	GP1
Prepreg		0.384mm	PP-006	Dielectric	
CF-004	SIG_1	0.035mm		Signal	G1
		0.320mm	FR-4	Dielectric	
CF-004	SIG_2	0.035mm		Signal	G2
Prepreg		0.384mm	PP-006	Dielectric	
CF-004	GND_2	0.035mm		Internal Plane	GP2
Prepreg		0.127mm	PP-006	Dielectric	
Copper	Bottom Layer	0.036mm		Signal	GBL
Surface Material	Bottom Solder	0.010mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.573mm					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ROMTech. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PROPRIETARY AND CONFIDENTIAL

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	ROMTech			
		DIMENSIONS ARE IN mm	DRAWN		5/12/2023	TITLE  Romtech SBC-CAM PCA			
		TOLERANCES:	CHECKED						
		FRACTIONAL±	ENG APPR.						
		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.  16016-200  2			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 4 OF 4