

Evaluation System for Stepping Motor with Resolver (RTK0EMX270C02000BJ) Schematic

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Supplementary explanation :

DNF : unmounted part

Access point : <horizontal, vertical, page>

Ex.

< 4 C 3 >

page

vertical

horizontal

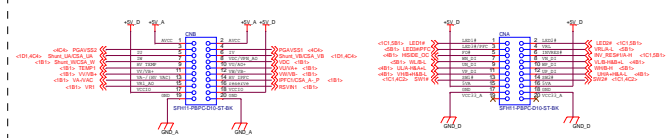
Title		
RTK0EMX270C02000BJ		
Size	Document Number	Rev
A3	R12TU0082EJ0110	1.10
Date:	Monday, August 31, 2020	Sheet 1 of 5

The image displays a detailed PCB layout for the RT12U0062E0110 board. The layout is organized into several functional blocks, including power management, signal processing, and control logic. Key components and features include:

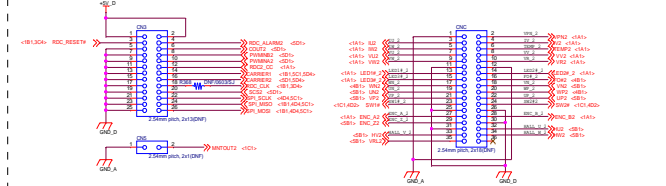
- Power Management:** A +5V D regulator section at the top center, featuring a 100nF capacitor (C1) and a 100k resistor (R1). A +5V D regulator section at the bottom center, featuring a 100nF capacitor (C1) and a 100k resistor (R1).
- Signal Processing:** A central section labeled "RT12U0062E0110" containing various signal processing components, including a 100nF capacitor (C1) and a 100k resistor (R1).
- Control Logic:** A section on the right side labeled "RT12U0062E0110" containing various control logic components, including a 100nF capacitor (C1) and a 100k resistor (R1).
- Test Points:** Numerous test points are distributed across the board, labeled with identifiers such as TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP49, TP50, TP51, TP52, TP53, TP54, TP55, TP56, TP57, TP58, TP59, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP69, TP70, TP71, TP72, TP73, TP74, TP75, TP76, TP77, TP78, TP79, TP80, TP81, TP82, TP83, TP84, TP85, TP86, TP87, TP88, TP89, TP90, TP91, TP92, TP93, TP94, TP95, TP96, TP97, TP98, TP99, TP100, TP101, TP102, TP103, TP104, TP105, TP106, TP107, TP108, TP109, TP110, TP111, TP112, TP113, TP114, TP115, TP116, TP117, TP118, TP119, TP120, TP121, TP122, TP123, TP124, TP125, TP126, TP127, TP128, TP129, TP130, TP131, TP132, TP133, TP134, TP135, TP136, TP137, TP138, TP139, TP140, TP141, TP142, TP143, 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Connector

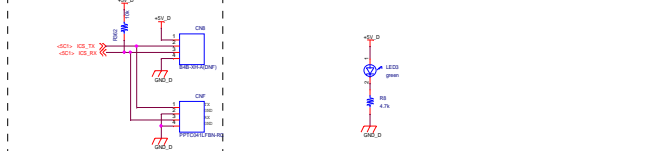
Inverter board connector



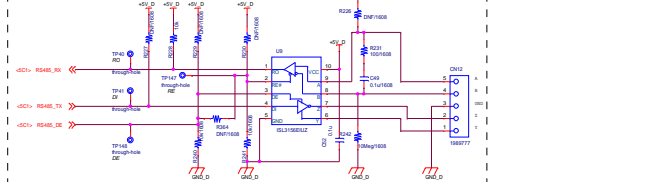
Empty terminal



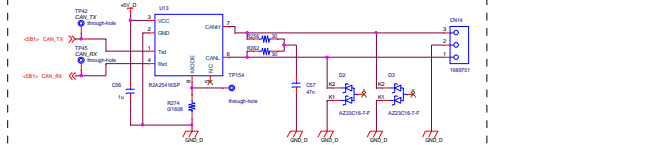
RMW communication connector



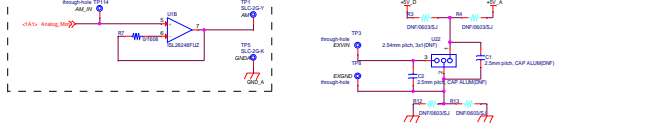
RS485 Driver



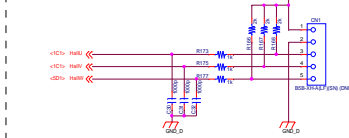
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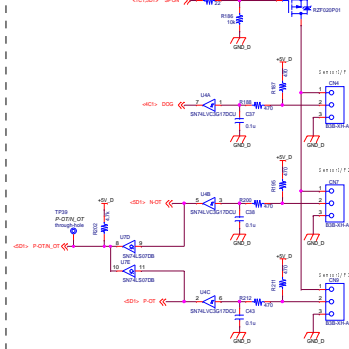
Analog monitor



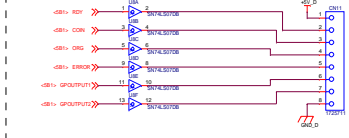
Hall IC connector



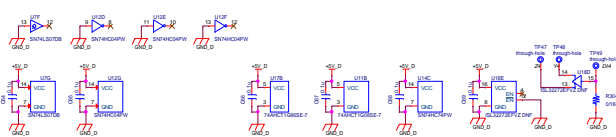
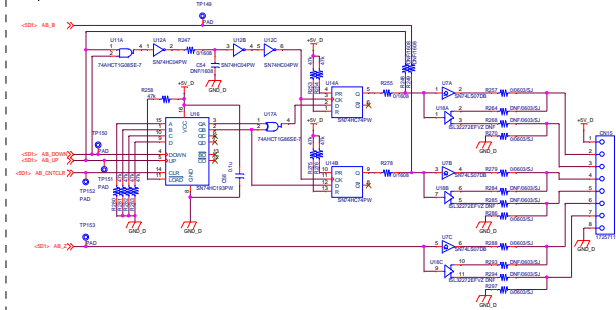
Sensor I/F



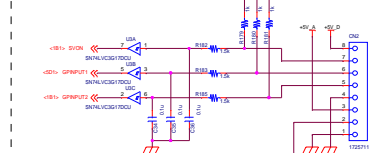
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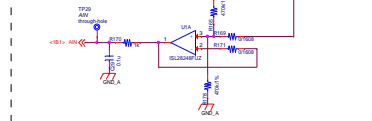
AB phase conversion+Buffer circuit



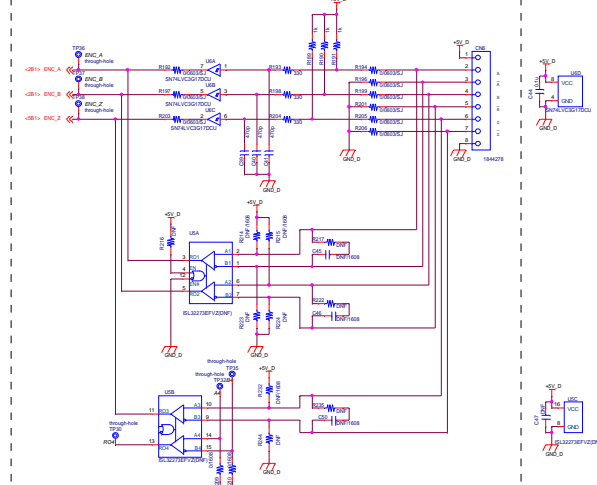
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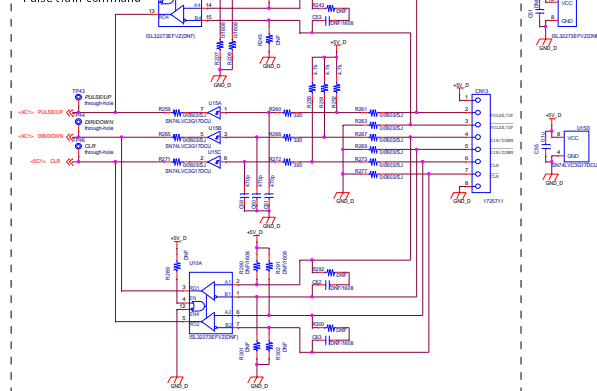
Analog command



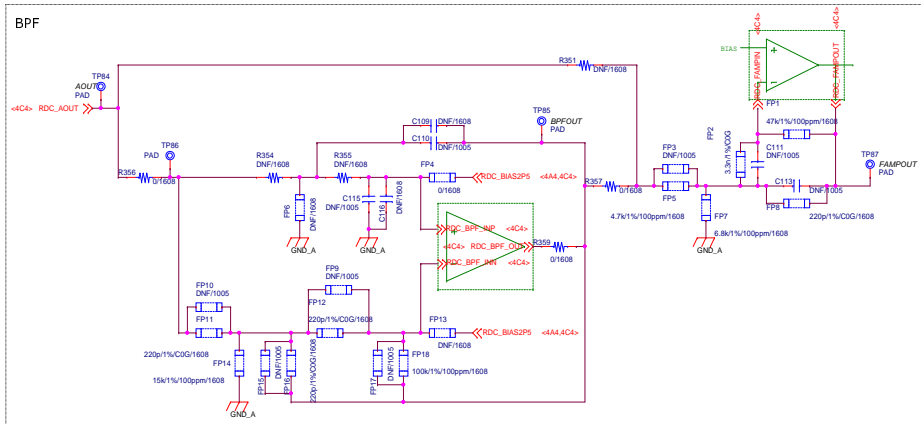
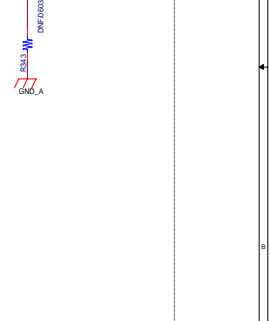
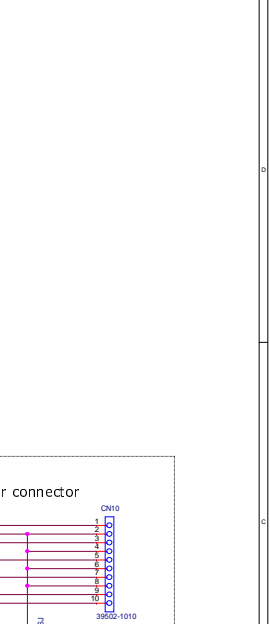
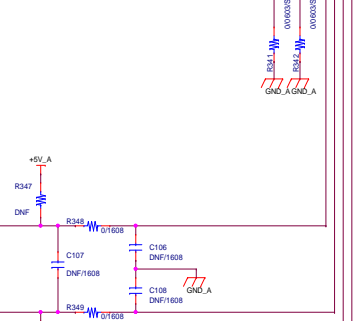
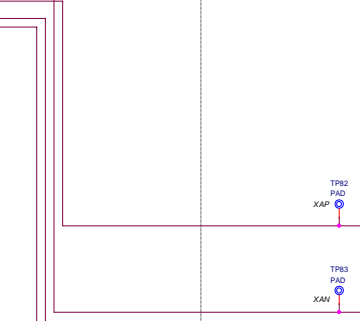
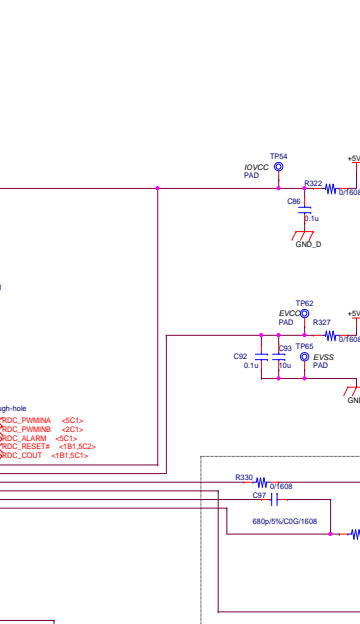
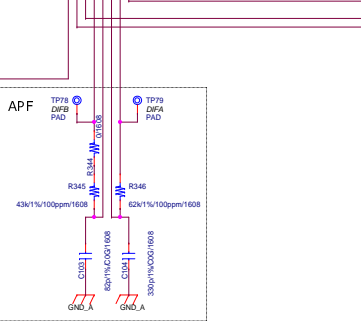
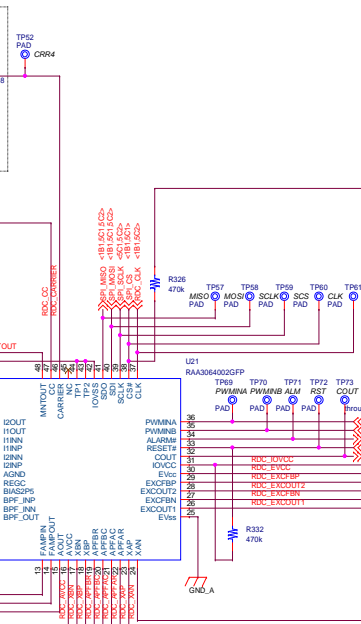
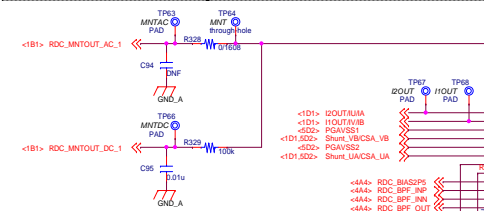
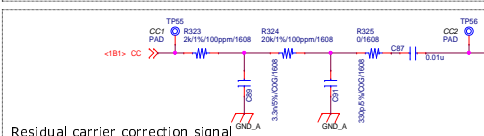
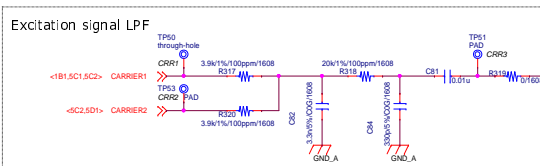
Encoder



Pulsetrain command



RDC



File RTK0EMX270C02000BJ				
Size A2	Document Number R12TU0082EJ0110			Rev 1.10
Date: Monday, August 31, 2020	Sheet	4	of	5

History

Rev.	Date	Page	Summary
1.00	2020/1/17	—	First edition
1.10	2020/8/31	4	Change connection of R332 (for S/N:20EN*** or later)

Title		
RTK0EMX270C02000BJ		
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