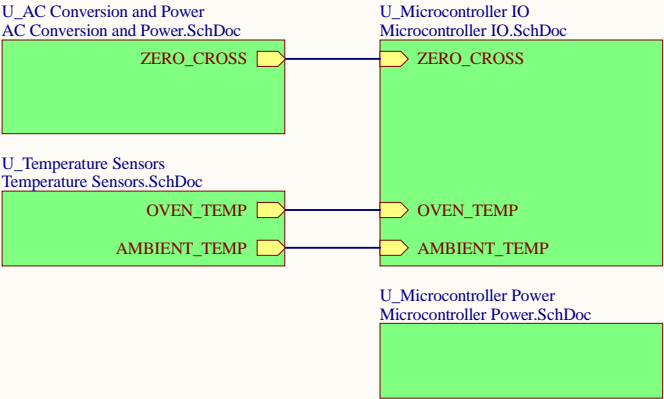


Year	Country	Project Name	Project Description	Project Type	Project Status	Project Budget (USD)	Project Completion Date	Project Impact
2017	USA	Project Alpha	Development of a new software platform for data analysis.	Software Development	Completed	1,200,000	2017-12-31	Improved data processing efficiency by 50%.
2018	USA	Project Beta	Implementation of a new hardware system for data storage.	Hardware Implementation	In Progress	800,000	2018-06-30	Increased data storage capacity by 200%.
2019	USA	Project Gamma	Integration of a new database system for data management.	Database Integration	Completed	600,000	2019-03-15	Enhanced data security and access control.
2020	USA	Project Delta	Deployment of a new cloud-based platform for data hosting.	Cloud Deployment	In Progress	1,500,000	2020-09-30	Reduced data hosting costs by 30%.
2021	USA	Project Epsilon	Optimization of a new data processing pipeline.	Data Optimization	Completed	400,000	2021-01-31	Improved data processing speed by 25%.
2022	USA	Project Zeta	Implementation of a new data visualization tool.	Data Visualization	In Progress	300,000	2022-04-30	Enhanced data visualization capabilities.
2023	USA	Project Eta	Development of a new data security protocol.	Data Security	Completed	700,000	2023-07-31	Improved data security measures.
2024	USA	Project Theta	Implementation of a new data backup system.	Data Backup	In Progress	500,000	2024-02-28	Enhanced data backup reliability.
2025	USA	Project Iota	Optimization of a new data archiving process.	Data Archiving	Completed	200,000	2025-05-31	Improved data archiving efficiency.
2026	USA	Project Kappa	Implementation of a new data recovery system.	Data Recovery	In Progress	600,000	2026-08-31	Enhanced data recovery capabilities.
2027	USA	Project Lambda	Development of a new data compression algorithm.	Data Compression	Completed	350,000	2027-11-30	Improved data compression ratio.
2028	USA	Project Mu	Implementation of a new data deduplication system.	Data Deduplication	In Progress	450,000	2028-03-31	Enhanced data deduplication efficiency.
2029	USA	Project Nu	Optimization of a new data indexing process.	Data Indexing	Completed	250,000	2029-06-30	Improved data indexing speed.
2030	USA	Project Xi	Implementation of a new data partitioning system.	Data Partitioning	In Progress	550,000	2030-09-30	Enhanced data partitioning flexibility.
2031	USA	Project Omicron	Development of a new data replication system.	Data Replication	Completed	400,000	2031-12-31	Improved data replication reliability.
2032	USA	Project Pi	Implementation of a new data synchronization system.	Data Synchronization	In Progress	650,000	2032-04-30	Enhanced data synchronization accuracy.
2033	USA	Project Rho	Optimization of a new data migration process.	Data Migration	Completed	300,000	2033-07-31	Improved data migration speed.
2034	USA	Project Sigma	Implementation of a new data backup system.	Data Backup	In Progress	500,000	2034-10-31	Enhanced data backup reliability.
2035	USA	Project Tau	Development of a new data recovery system.	Data Recovery	Completed	400,000	2035-01-31	Improved data recovery speed.
2036	USA	Project Upsilon	Implementation of a new data compression system.	Data Compression	In Progress	350,000	2036-04-30	Enhanced data compression ratio.
2037	USA	Project Phi	Optimization of a new data deduplication process.	Data Deduplication	Completed	250,000	2037-07-31	Improved data deduplication efficiency.
2038	USA	Project Chi	Implementation of a new data indexing system.	Data Indexing	In Progress	450,000	2038-10-31	Enhanced data indexing speed.
2039	USA	Project Psi	Development of a new data partitioning system.	Data Partitioning	Completed	550,000	2039-01-31	Improved data partitioning flexibility.
2040	USA	Project Omega	Implementation of a new data replication system.	Data Replication	In Progress	650,000	2040-04-30	Enhanced data replication reliability.
2041	USA	Project Alpha	Optimization of a new data synchronization process.	Data Synchronization	Completed	300,000	2041-07-31	Improved data synchronization accuracy.
2042	USA	Project Beta	Implementation of a new data migration system.	Data Migration	In Progress	500,000	2042-10-31	Enhanced data migration speed.
2043	USA	Project Gamma	Development of a new data backup system.	Data Backup	Completed	400,000	2043-01-31	Improved data backup reliability.
2044	USA	Project Delta	Implementation of a new data recovery system.	Data Recovery	In Progress	350,000	2044-04-30	Enhanced data recovery speed.
2045	USA	Project Epsilon	Optimization of a new data compression system.	Data Compression	Completed	250,000	2045-07-31	Improved data compression ratio.
2046	USA	Project Zeta	Implementation of a new data deduplication system.	Data Deduplication	In Progress	450,000	2046-10-31	Enhanced data deduplication efficiency.
2047	USA	Project Eta	Development of a new data indexing system.	Data Indexing	Completed	550,000	2047-01-31	Improved data indexing speed.
2048	USA	Project Theta	Implementation of a new data partitioning system.	Data Partitioning	In Progress	650,000	2048-04-30	Enhanced data partitioning flexibility.
2049	USA	Project Iota	Optimization of a new data replication system.	Data Replication	Completed	300,000	2049-07-31	Improved data replication reliability.
2050	USA	Project Kappa	Implementation of a new data synchronization system.	Data Synchronization	In Progress	500,000	2050-10-31	Enhanced data synchronization accuracy.
2051	USA	Project Lambda	Development of a new data migration system.	Data Migration	Completed	400,000	2051-01-31	Improved data migration speed.
2052	USA	Project Mu	Implementation of a new data backup system.	Data Backup	In Progress	350,000	2052-04-30	Enhanced data backup reliability.
2053	USA	Project Nu	Optimization of a new data recovery system.	Data Recovery	Completed	250,000	2053-07-31	Improved data recovery speed.
2054	USA	Project Xi	Implementation of a new data compression system.	Data Compression	In Progress	450,000	2054-10-31	Enhanced data compression ratio.
2055	USA	Project Omicron	Development of a new data deduplication system.	Data Deduplication	Completed	550,000	2055-01-31	Improved data deduplication efficiency.
2056	USA	Project Pi	Implementation of a new data indexing system.	Data Indexing	In Progress	650,000	2056-04-30	Enhanced data indexing speed.
2057	USA	Project Rho	Optimization of a new data partitioning system.	Data Partitioning	Completed	300,000	2057-07-31	Improved data partitioning flexibility.
2058	USA	Project Sigma	Implementation of a new data replication system.	Data Replication	In Progress	500,000	2058-10-31	Enhanced data replication reliability.
2059	USA	Project Tau	Development of a new data synchronization system.	Data Synchronization	Completed	400,000	2059-01-31	Improved data synchronization accuracy.
2060	USA	Project Upsilon	Implementation of a new data migration system.	Data Migration	In Progress	350,000	2060-04-30	Enhanced data migration speed.
2061	USA	Project Phi	Optimization of a new data backup system.	Data Backup	Completed	250,000	2061-07-31	Improved data backup reliability.
2062	USA	Project Chi	Implementation of a new data indexing system.	Data Indexing	In Progress	450,000	2062-10-31	Enhanced data indexing speed.
2063	USA	Project Psi	Development of a new data partitioning system.	Data Partitioning	Completed	550,000	2063-01-31	Improved data partitioning flexibility.
2064	USA	Project Omega	Implementation of a new data replication system.	Data Replication	In Progress	650,000	2064-04-30	Enhanced data replication reliability.
2065	USA	Project Alpha	Optimization of a new data synchronization process.	Data Synchronization	Completed	300,000	2065-07-31	Improved data synchronization accuracy.
2066	USA	Project Beta	Implementation of a new data migration system.	Data Migration	In Progress	500,000	2066-10-31	Enhanced data migration speed.
2067	USA	Project Gamma	Development of a new data backup system.	Data Backup	Completed	400,000	2067-01-31	Improved data backup reliability.
2068	USA	Project Delta	Implementation of a new data recovery system.	Data Recovery	In Progress	350,000	2068-04-30	Enhanced data recovery speed.
2069	USA	Project Epsilon	Optimization of a new data compression system.	Data Compression	Completed	250,000	2069-07-31	Improved data compression ratio.
2070	USA	Project Zeta	Implementation of a new data deduplication system.	Data Deduplication	In Progress	450,000	2070-10-31	Enhanced data deduplication efficiency.
2071	USA	Project Eta	Development of a new data indexing system.	Data Indexing	Completed	550,000	2071-01-31	Improved data indexing speed.
2072	USA	Project Theta	Implementation of a new data partitioning system.	Data Partitioning	In Progress	650,000	2072-04-30	Enhanced data partitioning flexibility.
2073	USA	Project Iota	Optimization of a new data replication system.	Data Replication	Completed	300,000	2073-07-31	Improved data replication reliability.
2074	USA	Project Kappa	Implementation of a new data synchronization system.	Data Synchronization	In Progress	500,000	2074-10-31	Enhanced data synchronization accuracy.
2075	USA	Project Lambda	Development of a new data migration system.	Data Migration	Completed	400,000	2075-01-31	Improved data migration speed.
2076	USA	Project Mu	Implementation of a new data backup system.	Data Backup	In Progress	350,000	2076-04-30	Enhanced data backup reliability.
2077	USA	Project Nu	Optimization of a new data recovery system.	Data Recovery	Completed	250,000	2077-07-31	Improved data recovery speed.
2078	USA	Project Xi	Implementation of a new data compression system.	Data Compression	In Progress	450,000	2078-10-31	Enhanced data compression ratio.
2079	USA	Project Omicron	Development of a new data deduplication system.	Data Deduplication	Completed	550,000	2079-01-31	Improved data deduplication efficiency.
2080	USA	Project Pi	Implementation of a new data indexing system.	Data Indexing	In Progress	650,000	2080-04-30	Enhanced data indexing speed.
2081	USA	Project Rho	Optimization of a new data partitioning system.	Data Partitioning	Completed	300,000	2081-07-31	Improved data partitioning flexibility.
2082	USA	Project Sigma	Implementation of a new data replication system.	Data Replication	In Progress	500,000	2082-10-31	Enhanced data replication reliability.
2083	USA	Project Tau	Development of a new data synchronization system.	Data Synchronization	Completed	400,000	2083-01-31	Improved data synchronization accuracy.
2084	USA	Project Upsilon	Implementation of a new data migration system.	Data Migration	In Progress	350,000	2084-04-30	Enhanced data migration speed.
2085	USA	Project Phi	Optimization of a new data backup system.	Data Backup	Completed	250,000	2085-07-31	Improved data backup reliability.
2086	USA	Project Chi	Implementation of a new data indexing system.	Data Indexing	In Progress	450,000	2086-10-31	Enhanced data indexing speed.
2087	USA	Project Psi	Development of a new data partitioning system.	Data Partitioning	Completed	550,000	2087-01-31	Improved data partitioning flexibility.
2088	USA	Project Omega	Implementation of a new data replication system.	Data Replication	In Progress	650,000	2088-04-30	Enhanced data replication reliability.
2089	USA	Project Alpha	Optimization of a new data synchronization process.	Data Synchronization	Completed	300,000	2089-07-31	Improved data synchronization accuracy.
2090	USA	Project Beta	Implementation of a new data migration system.	Data Migration	In Progress	500,000	2090-10-31	Enhanced data migration speed.
2091	USA	Project Gamma	Development of a new data backup system.	Data Backup	Completed	400,000	2091-01-31	Improved data backup reliability.
2092	USA	Project Delta	Implementation of a new data recovery system.	Data Recovery	In Progress	350,000	2092-04-30	Enhanced data recovery speed.
2093	USA	Project Epsilon	Optimization of a new data compression system.	Data Compression	Completed	250,000	2093-07-31	Improved data compression ratio.
2094	USA	Project Zeta	Implementation of a new data deduplication system.	Data Deduplication	In Progress	450,000	2094-10-31	Enhanced data deduplication efficiency.
2095	USA	Project Eta	Development of a new data indexing system.	Data Indexing	Completed	550,000	2095-01-31	Improved data indexing speed.
2096	USA	Project Theta	Implementation of a new data partitioning system.	Data Partitioning	In Progress	650,000	2096-04-30	Enhanced data partitioning flexibility.
2097	USA	Project Iota	Optimization of a new data replication system.	Data Replication	Completed	300,000	2097-07-31	Improved data replication reliability.
2098	USA	Project Kappa	Implementation of a new data synchronization system.	Data Synchronization	In Progress	500,000	2098-10-31	Enhanced data synchronization accuracy.
2099	USA	Project Lambda	Development of a new data migration system.	Data Migration	Completed	400,000	2099-01-31	Improved data migration speed.

OPEN REFLOW OVEN CONTROLLER

TOP LEVEL SCHEMATIC




MOUNTING HOLES

MH1
MH-M3-NPH

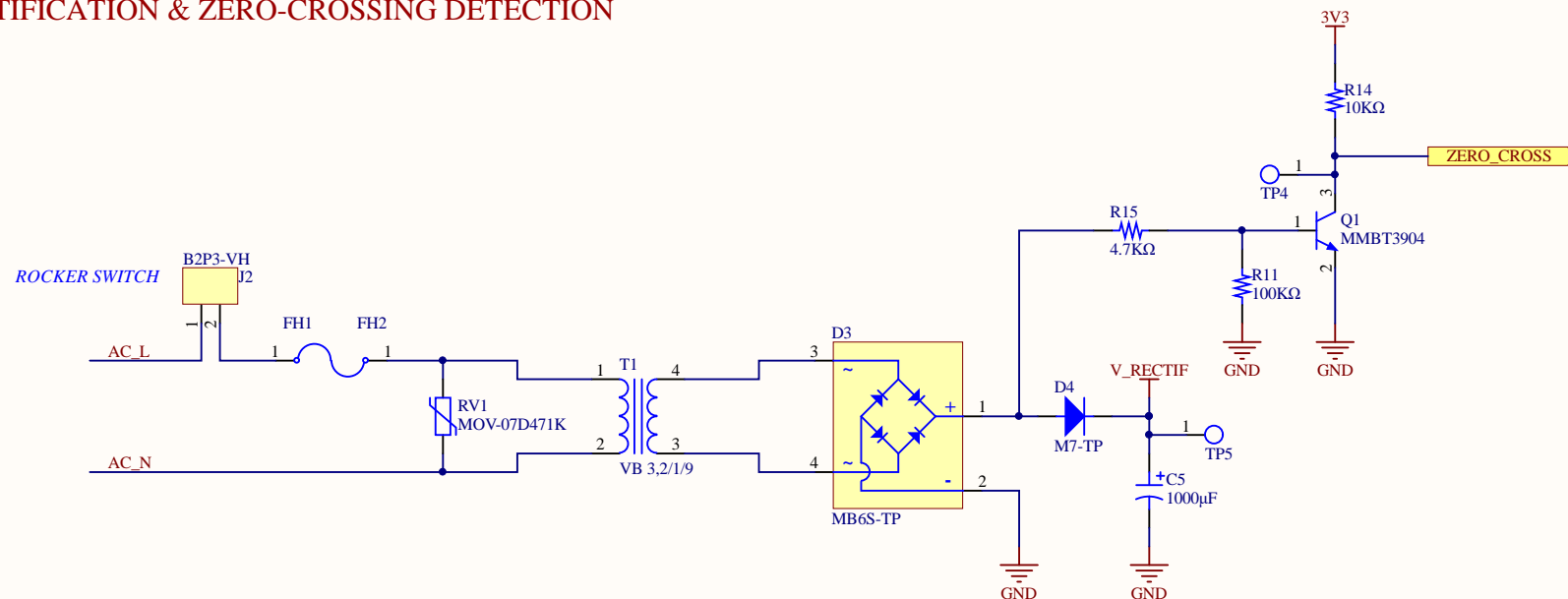
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MH3
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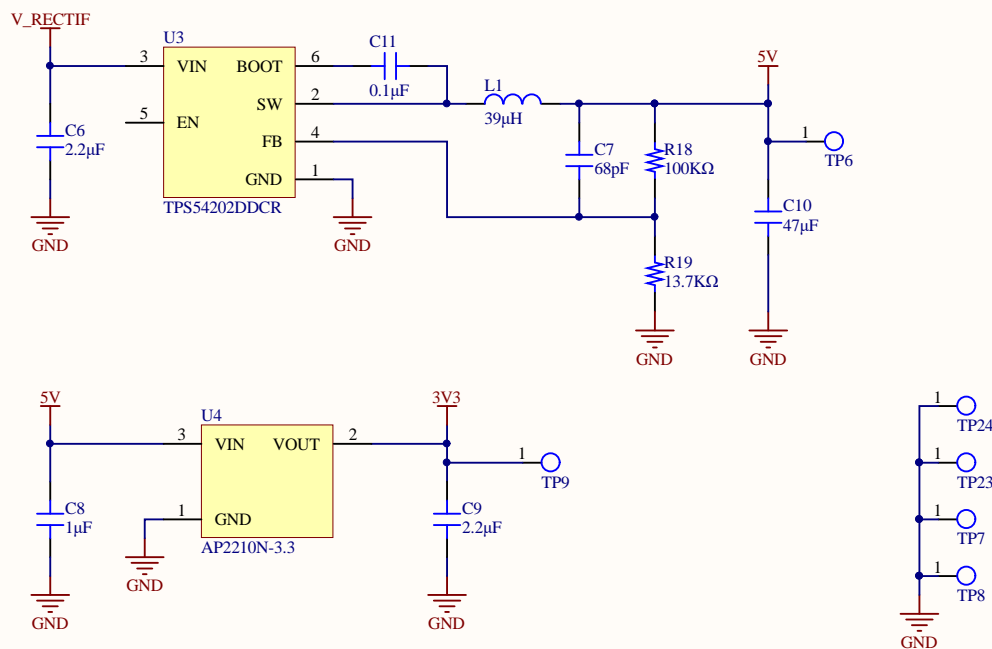
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Date: 10/15/2024	Time: 6:05:39 PM	Sheet 1 of 5		
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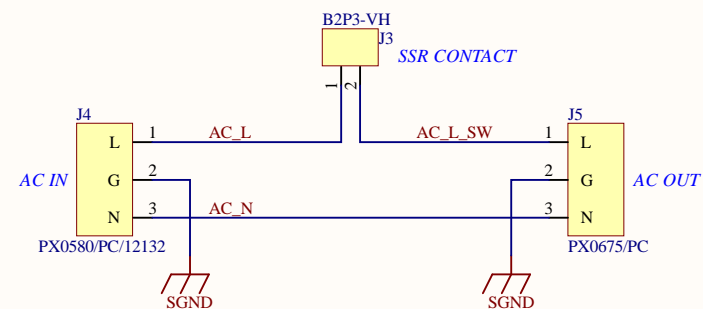
AC RECTIFICATION & ZERO-CROSSING DETECTION



POWER SUPPLIES



AC IN & OUT CONNECTORS



Title **AC Conversion and Power**

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Revision:A02

Date: 10/15/2024

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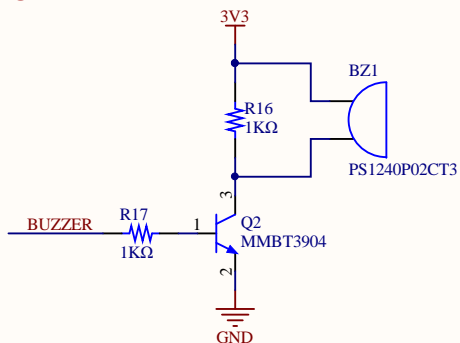
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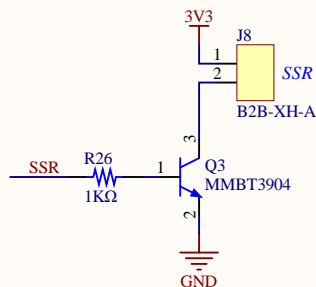
Open Reflow Oven
Leonardo Marquez
leonardomarquez.com
github.com/marqueztronics



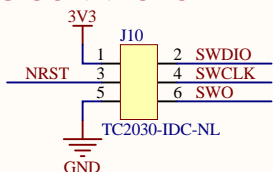
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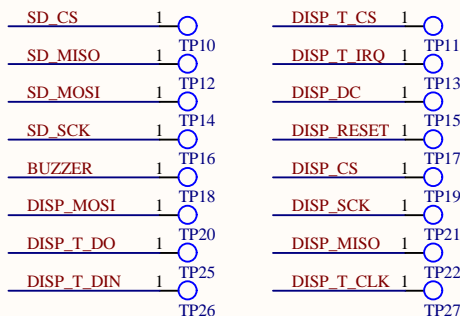
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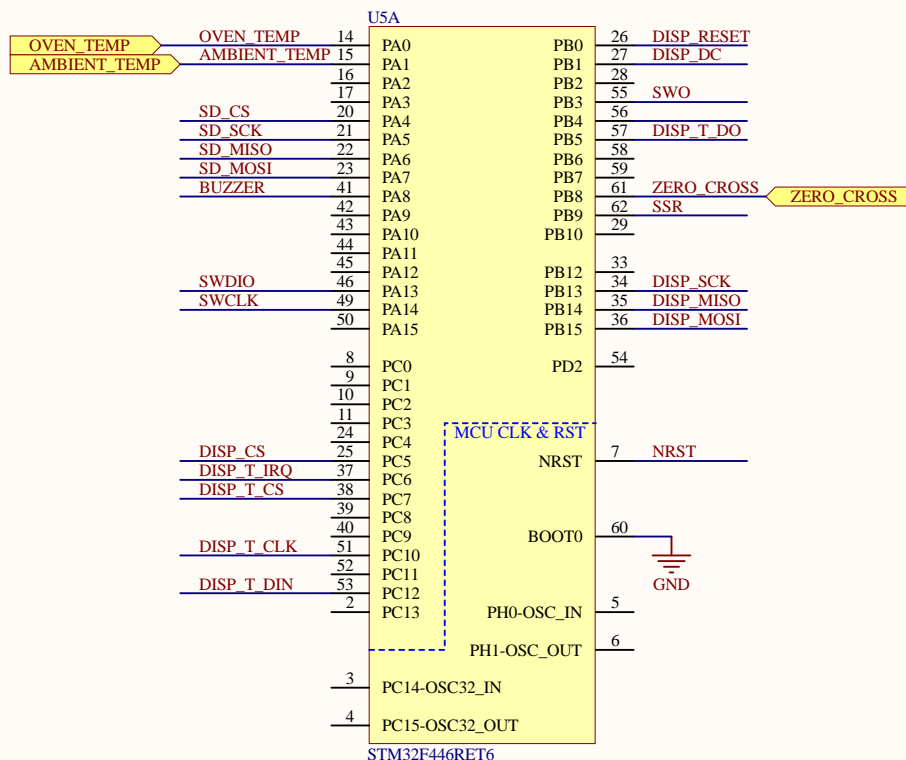
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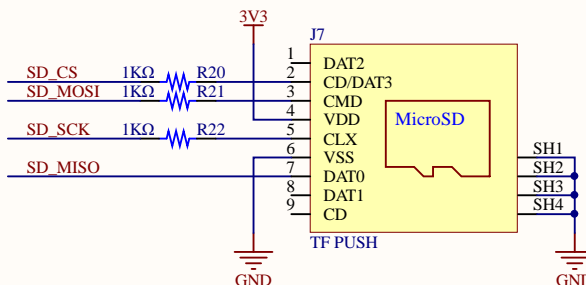
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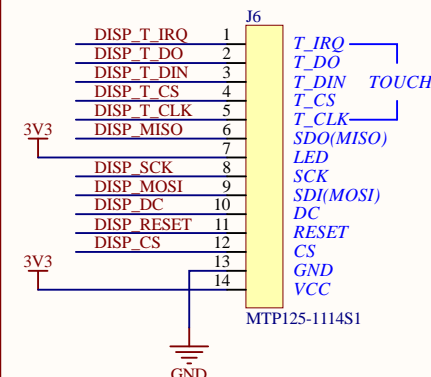
MICROCONTROLLER



MICROSD CARD



DISPLAY MODULE CONNECTOR



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Number:001

Revision:A02

Date: 10/15/2024

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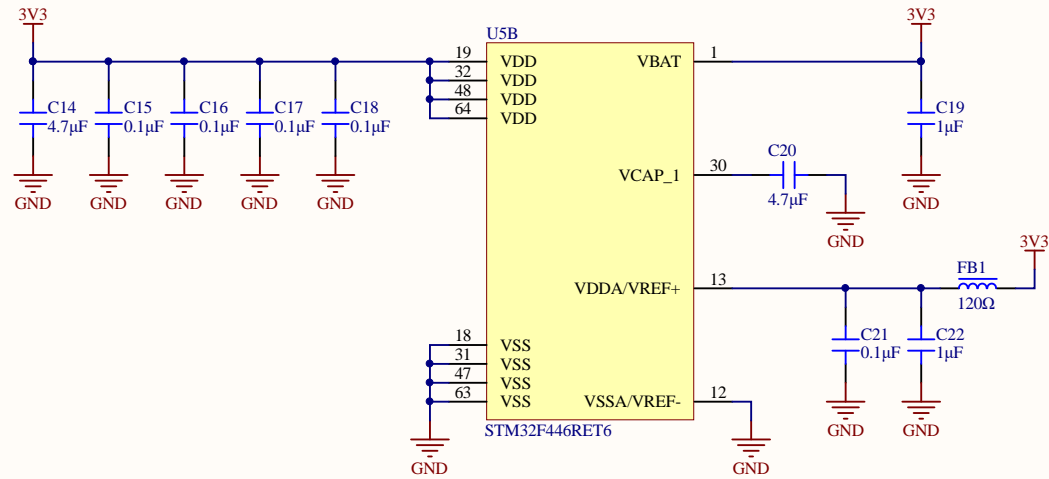
Sheet 3 of 5

File: Microcontroller IO.SchDoc

Open Reflow Oven
Leonardo Marquez
leonardomarquez.com
github.com/marqueztronics



STM32 POWER



Title **Microcontroller Power**

Size: Letter

Number:001

Revision:A02

Date: 10/15/2024

Time: 6:05:39 PM

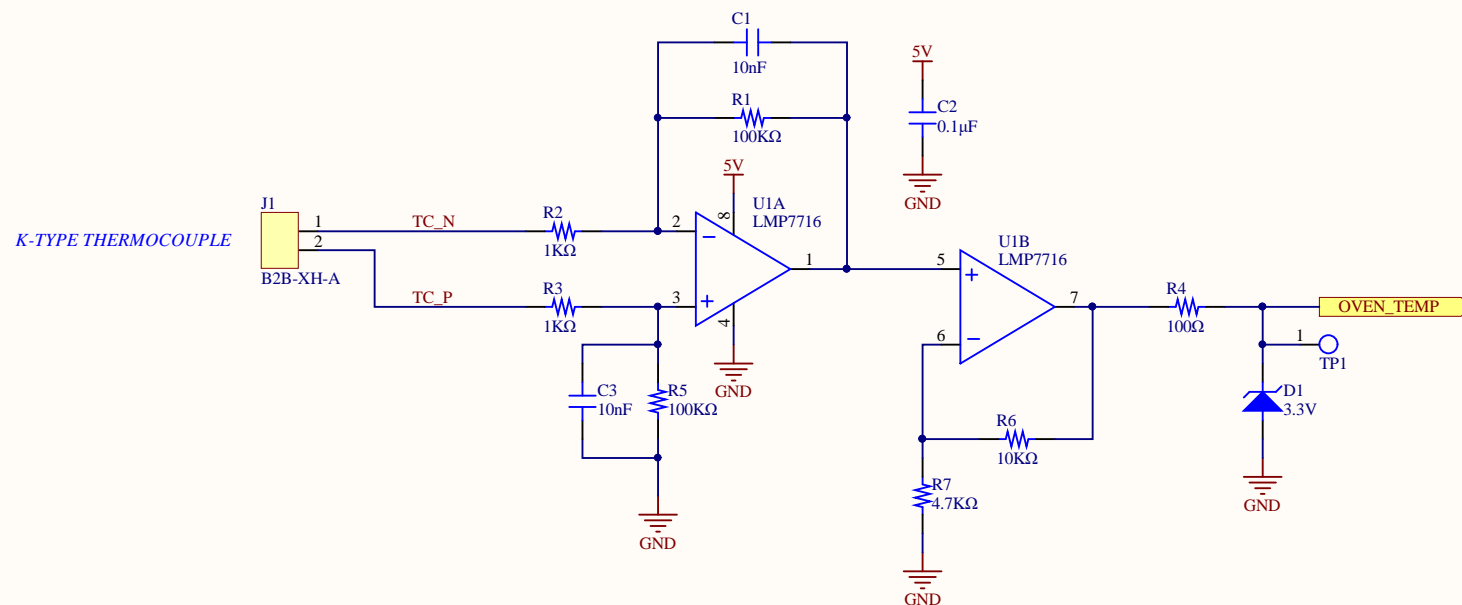
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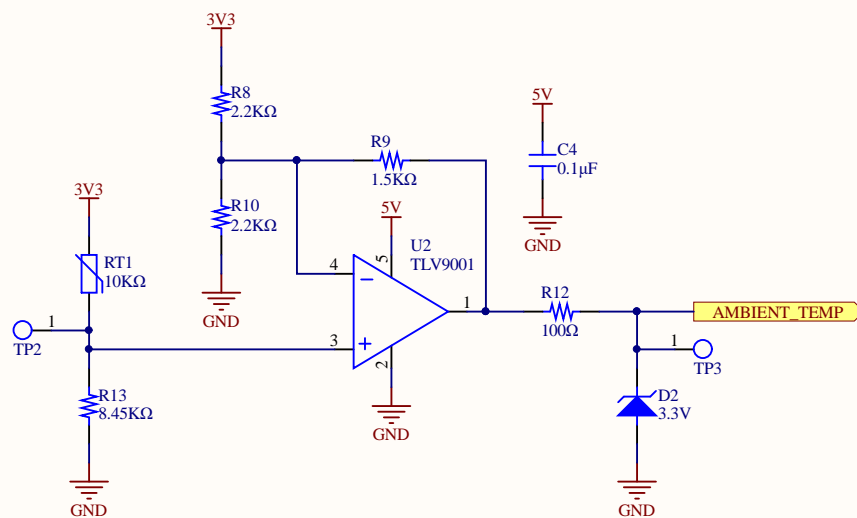
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Leonardo Marquez
leonardomarquez.com
github.com/marqueztronics



OVEN TEMPERATURE ACQUISITION



AMBIENT TEMPERATURE ACQUISITION



Title **Temperature Sensors**

Size: Letter

Number:001

Revision:A02

Date: 10/15/2024

Time: 6:05:39 PM

Sheet 5 of 5

File: Temperature Sensors.SchDoc

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Leonardo Marquez
leonardomarquez.com
github.com/marqueztronics

