

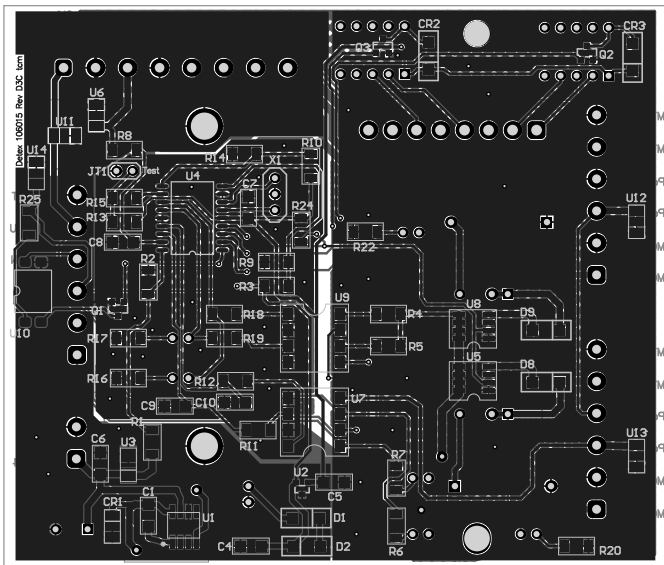
DETEX CORPORATION
 SHO MISAWA
 PHONE: 800-729-3839 EXT.4377
 PCB: 106015
 PWA: 106016

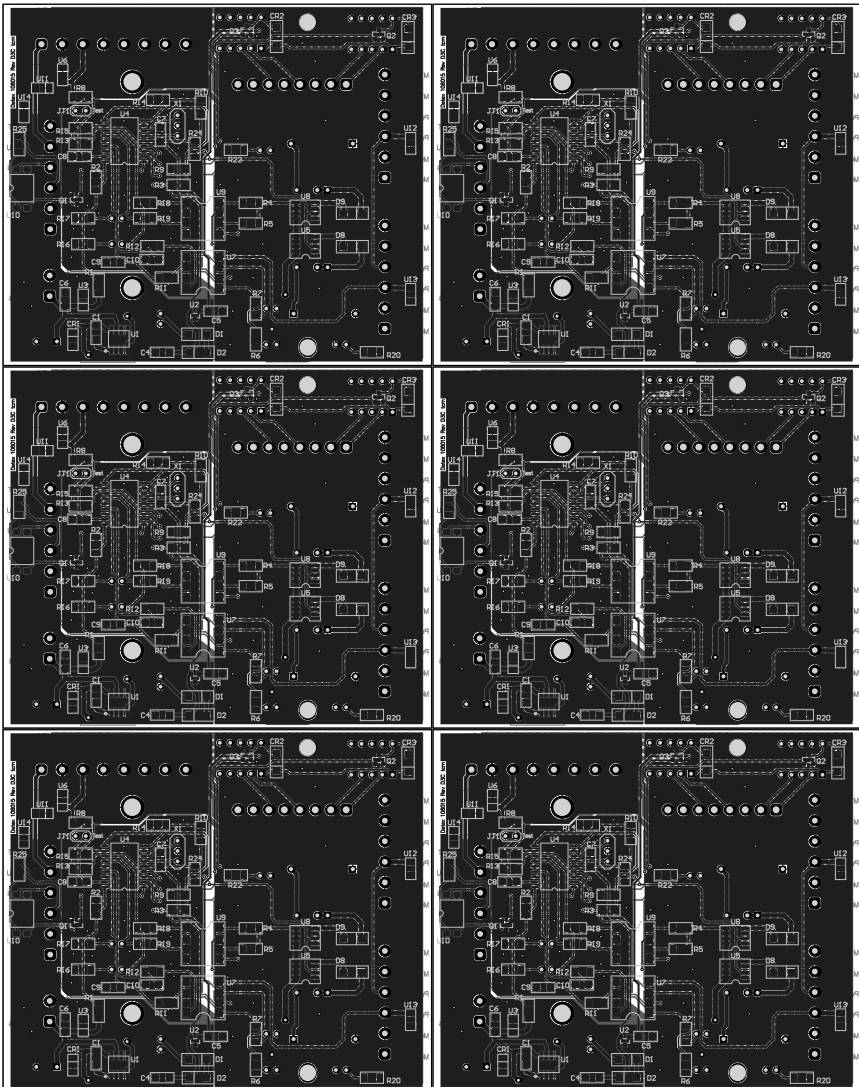
FAB NOTES:

1. THE BOARD HAS TWO LAYERS
2. BOARD THICKNESS TO BE 63 MIL
3. BOARD TO HAVE 2 OZ CUPPER
4. MINIMUM CAD TRACE DIMENSIONS ARE: ----
5. PCB SHALL MEET FOLLOWING SPECIFICATIONS/REQUIREMENTS:
 - A. BOARD MATERIAL TO BE NEMA GRADE FR-4 GLASS EPOXY/UL94-V0 RATED.
 - B. MANUFACTURER AS PER IPC-6012 AND INSPECT AS PER IPC-A-600.
 - C. PCB IS ROHS COMPLIANT AND MUST SURVIVE LEAD-FREE.
 - D. FINISHED BOARD TO BE SOLDER MASKED OVER BARE COPPER.
 - E. WHITE SILK SCREEN/BLUE SOLDERMASK ON BOTH SIDES.
 - F. BOARD FINISH: ENIG (ELECTROLESS NICKEL IMMERSION GOLD).
 - G. UNLESS OTHERWISE SPECIFIED, ALL HOLES ARE TO BE PLATED THROUGH 0.001IN/(0.025MM) CUPPER MINIMUM.
6. REFERENCES TO SYSTEM BOARD SCHEMATIC: UNKNOWN
7. 20 MIL V-GROOVE LINES.

REVISION NOTES:

- 106015 Rev A: Incorporate design from 103845 and 104280 Dual Door PWA's.
 Add teltale LED's, replace relay with two PG511's. Ass opto isolators for Status LED's, Pad and Cyl switches. Route all I/O functions onto main connectors to simplify wiring.
- Rev B: Replace .156 spacing connectors with 3.81mm metric connectors. Fix logic erros on Cyl/Pad opto, add pullup to high side switch
- Rev C: Replace 3.81 connectors with separate .200" connectors for each function
 Retain 3.81 for relay connections for space. clean up power trace routes
- Rev D: Add opto for siren drive/isolation.
- Rev D3: Add TVS to Pad and Cyl inputs. Redo gnd planes for better EML. Released to proto 06/16/15
- Rev D3A: Increase mounting hole tolerance. Make one snap mount oval for REM stud variation.
- Rev D3B: Add U14 TVS to 9 volt source for ESD issues.
 11.12.2018
- Rev D3C: Fixed unconnected ground pad on regulator due to imported design rules.





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 PCB: 106015
 PWA: 106016

FAB NOTES:

1. TWO LAYER BOARD
2. 64 MIL BOARD THICKNESS
3. 2 OZ COPPER POUR, BOTH SIDES
4. MINIMUM CAD TRACE DIMENSIONS ARE: -----
5. PCB SHALL MEET FOLLOWING SPECIFICATIONS/REQUIREMENTS:
 - A. BOARD MATERIAL TO BE NEMA GRADE FR-4 GLASS EPOXY/UL94-V0 RATED
 - B. MANUFACTURER AS PER IPC-6012 AND INSPECT AS PER IPC-A-600
 - C. PCB IS ROHS COMPLIANT AND MUST SURVIVE LEAD-FREE
 - D. FINISHED BOARD TO BE SOLDER MASKED OVER BARE COPPER
 - E. BLUE SOLDER MASK / WHITE SILK SCREENS ON BOTH SIDES
 - F. BOARD FINISH: ENIG (ELECTROLESS NICKEL IMMERSION GOLD)
 - G. UNLESS OTHERWISE SPECIFIED, ALL HOLES ARE TO BE PLATED THROUGH 0.001IN/(0.025MM) COPPER MINIMUM
6. REFERENCES TO SYSTEM BOARD SCHEMATIC: 106015SCH
7. 20 MIL SCOUR LINES (+/- 3MIL)

REVISION NOTES:

- 106015 Rev A: Incorporate design from 103845 and 104280 Dual Door PWA's.
 Add teltale LED's, replace relay with two IP6511's. Ass opto isolators for Status LED's, Pad and Cyl switches. Route all I/O functions onto main connectors to simplify wiring.
- Rev B: Replace .156 spacing connectors with 3.81mm metric connectors. Fix logic errors on Cyl/Pad opto, add pullup to high side switch
- Rev C: Replace 3.81 connectors with separate .200 connectors for each function. Retain 3.81 for relay connections for space. Clean up power trace routes
- Rev D: Add opto for siren drive/isolation.
 06/16/15
- Rev D3: Add TVS to Pad and Cyl inputs. Redo gnd planes for better EMI. Released to proto
- Rev D3A: Increase mounting hole tolerance. Make one snap mount oval for REM stud variation.
- Rev D3B: Add U14 TVS to 9 volt source for ESD issues.
 11/13/18
- Rev D3C: Fixed unconnected ground pad on regulator due to imported design rules.