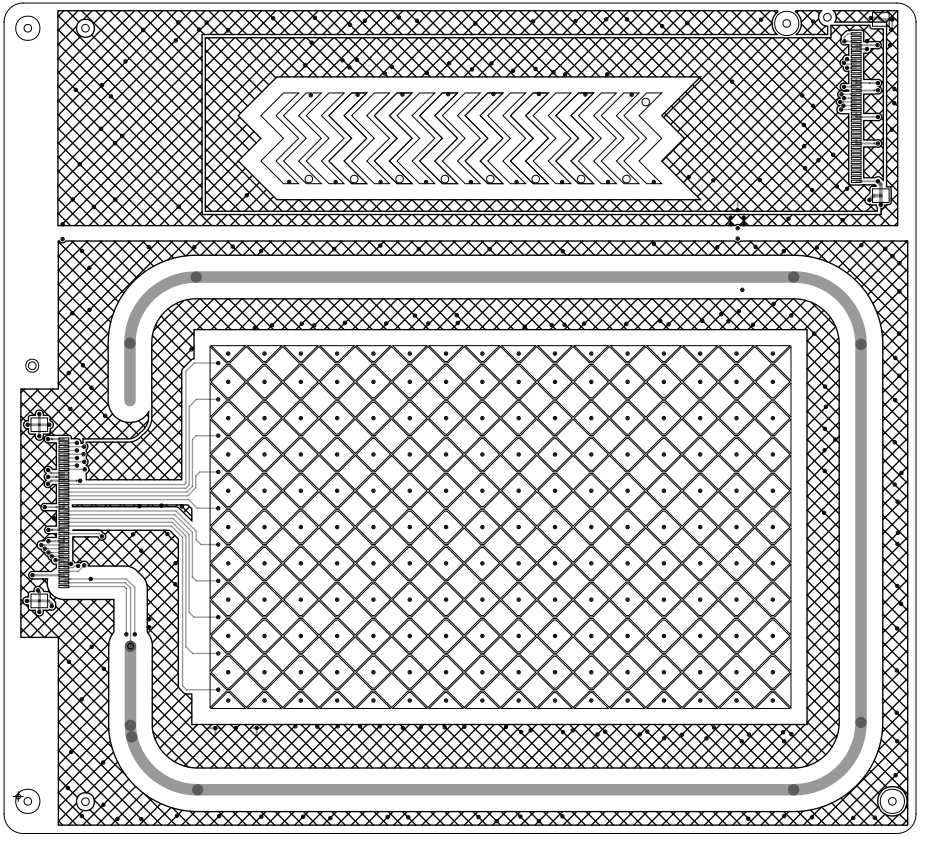
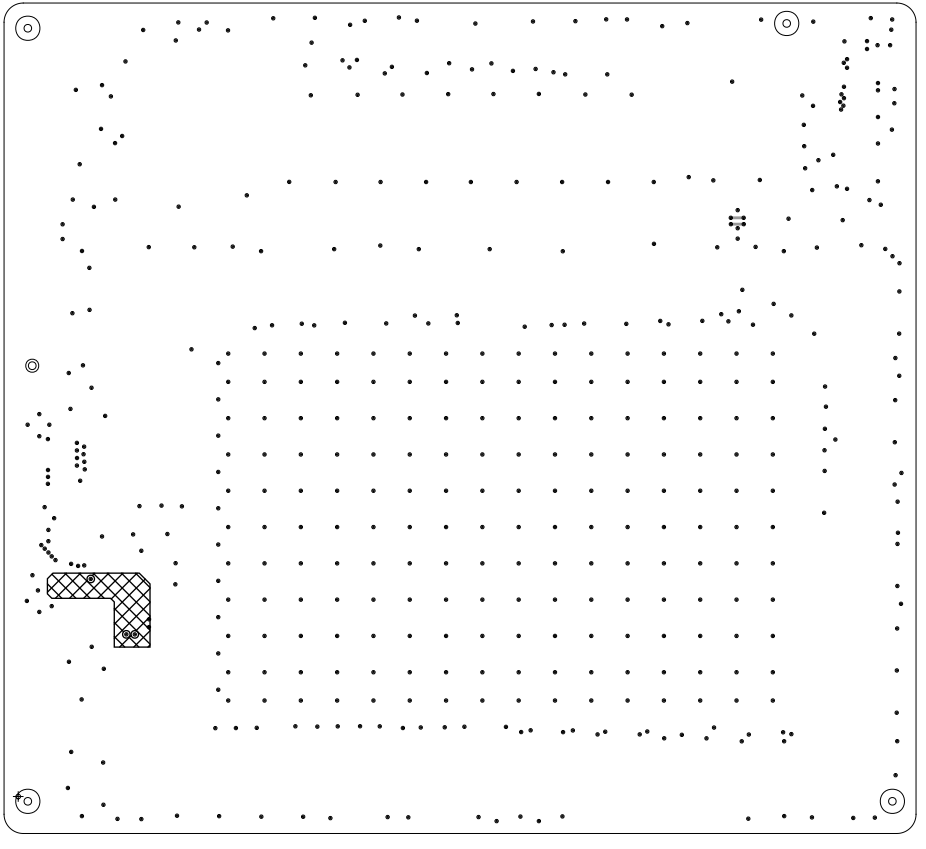
ART FILM - TOP



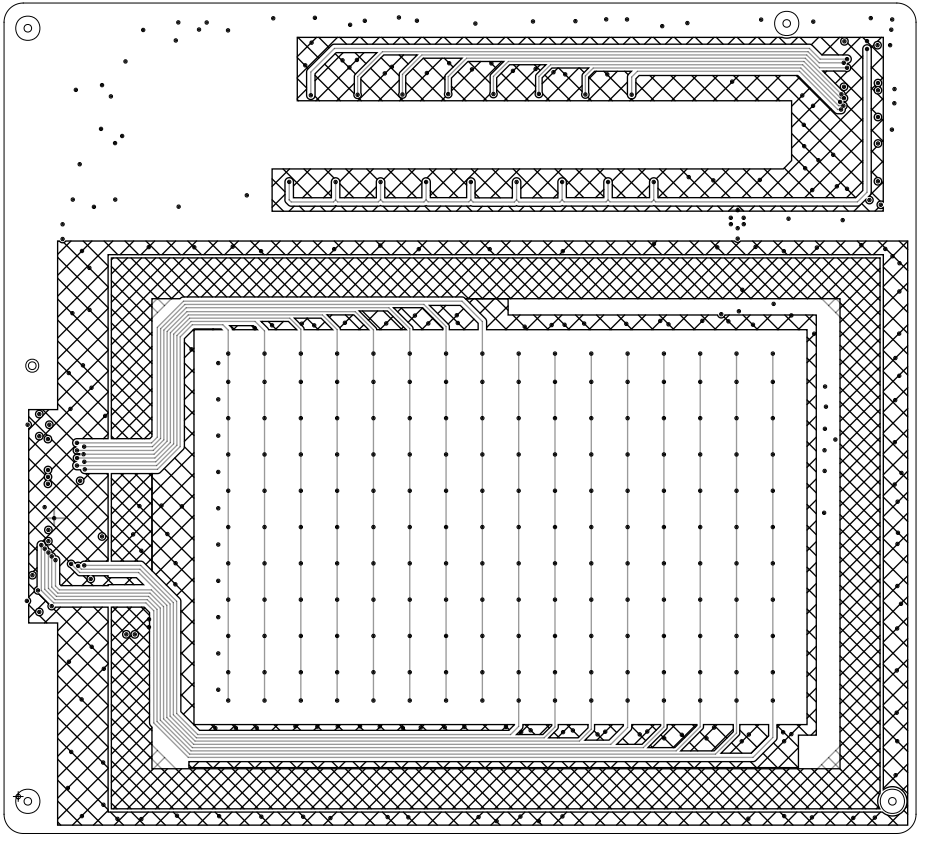
| | | | |
|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| | DRAWN BY: PRAO | | |
| | LAYER: TOP SIDE | | |
| | DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 |

ART FILM - TOP

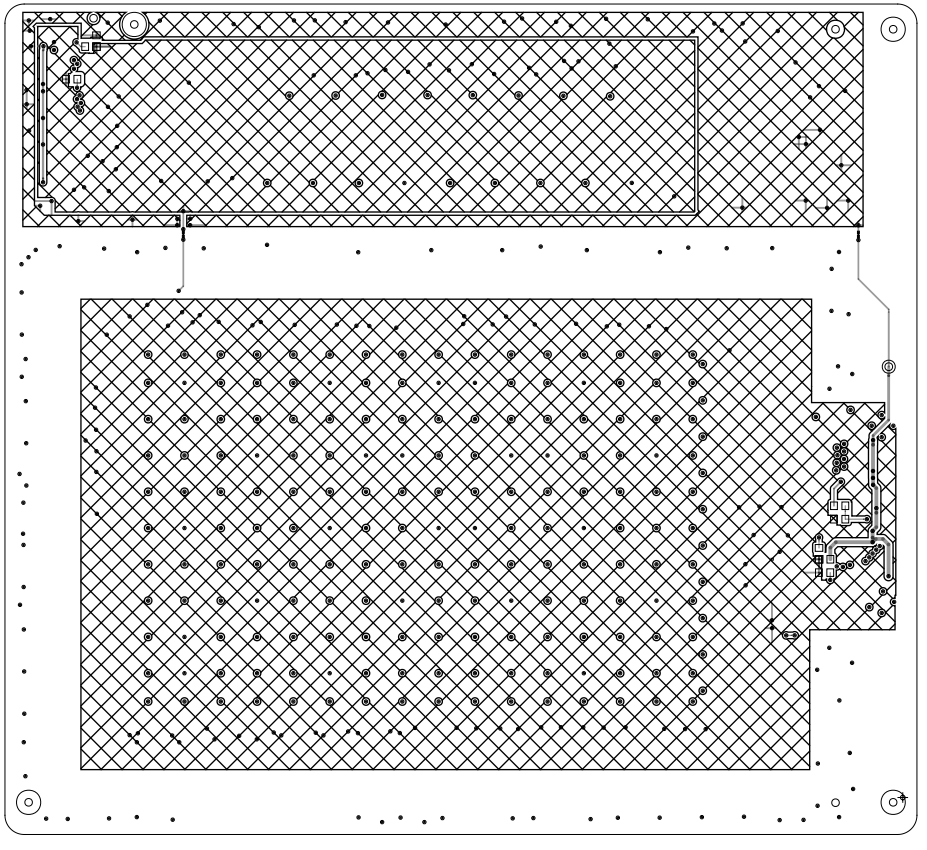


Infineon Technologies AG
Am Campeon 1-15
85579 NEUBIBERG - GERMANY

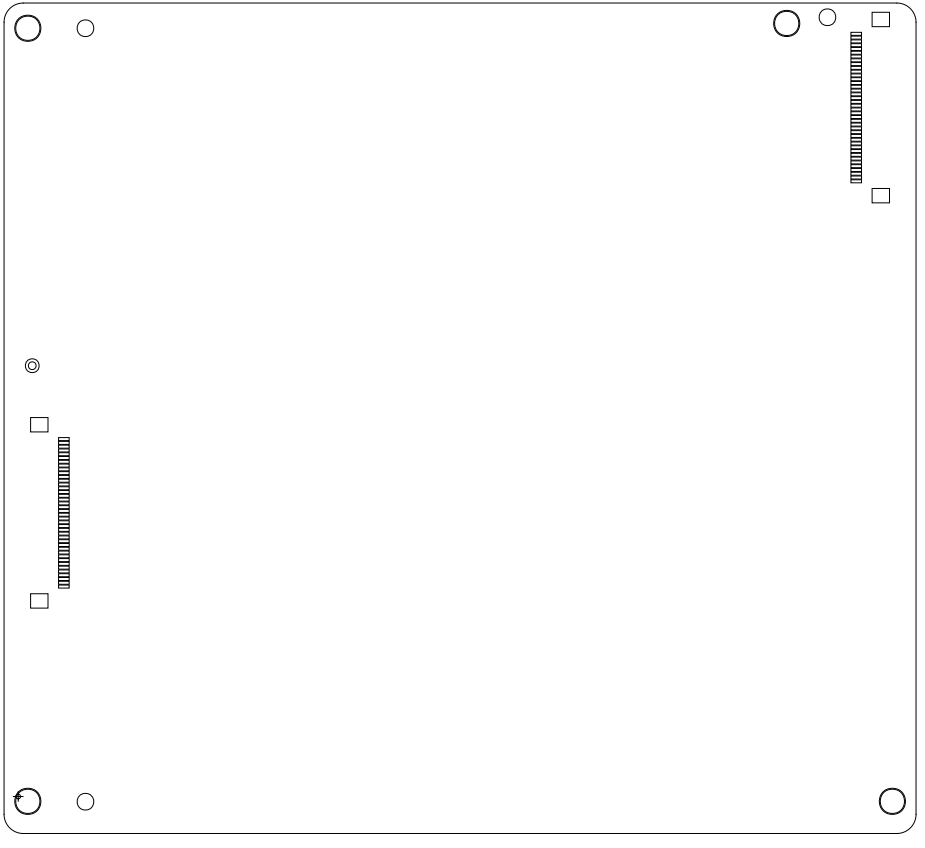
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|---|---|---|---|
| PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | | |
| DRAWN BY: PRAO | | | |
| LAYER: L02_SIG | | | |
| DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 | |



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|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| | DRAWN BY: PRAO | | |
| | LAYER: L03_SIG | | |
| | DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 |



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|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| | DRAWN BY: PRAO | | |
| | LAYER: BOTTOM SIDE | | |
| | DWG NO: 610-60593-01 | REV: 05 | DATE: 05\12\21 |



Infineon Technologies AG
Am Campeon 1-15
85579 NEUBIBERG - GERMANY

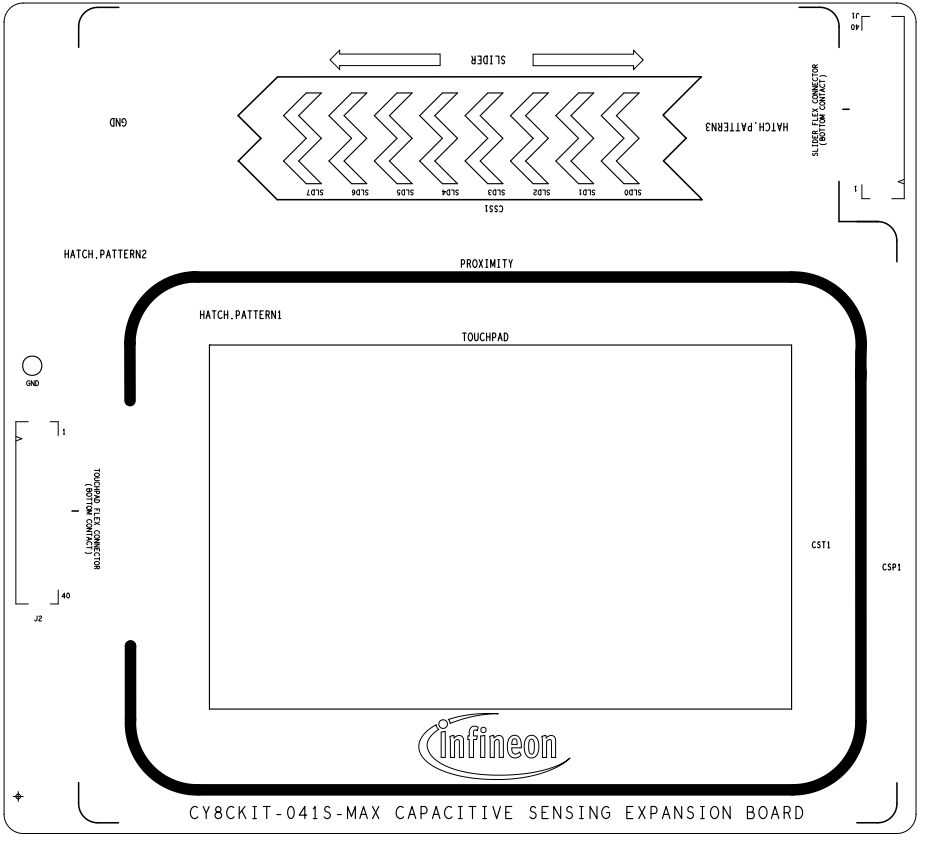
| | | | |
|---|---|---|---|
| PROJECT: | CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| DRAWN BY: | PRAO | | |
| LAYER: | SOLDERMASK TOP | | |
| DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 | |

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|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | | | |
| | DWG NO: 610-605903-01 | REV: 05 | DATE: 05\12\21 |
| | LAYER: SOLDERMASK BOTTOM | | |
| | DRAWN BY: PRAO | | |
| | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |

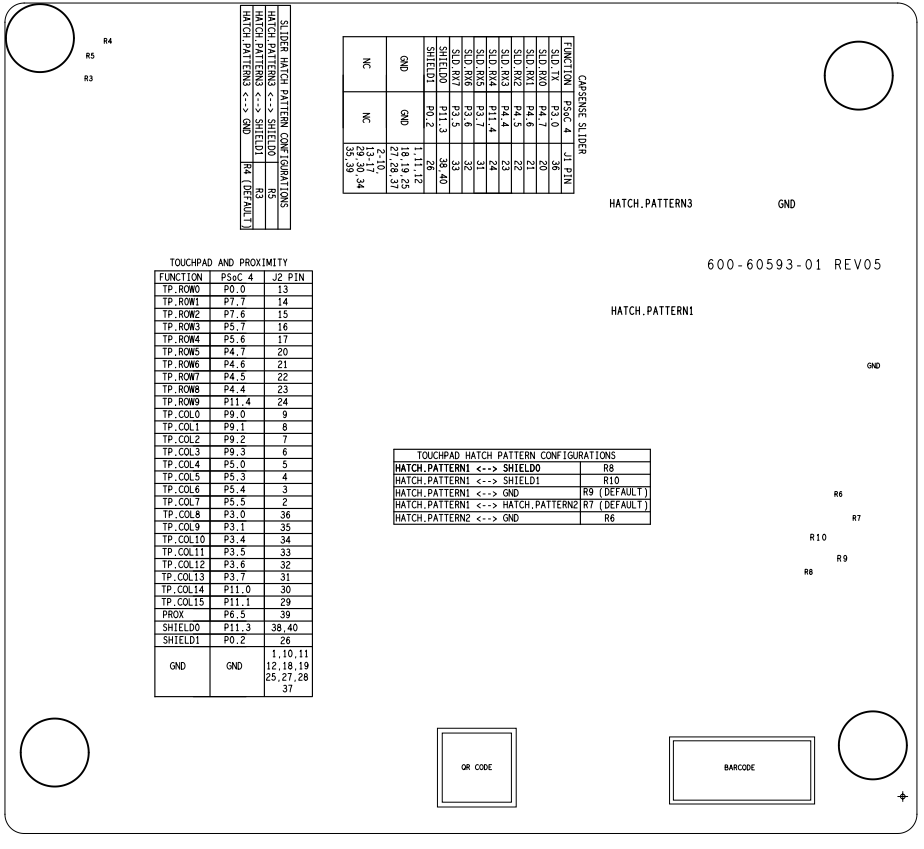


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|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| | DRAWN BY: PRAO | | |
| | LAYER: SOLDERPASTE TOP | | |
| | DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 |

| | | | |
|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | DWG NO: 610-605903-01 | REV: 05 | DATE: 05\12\21 |
| | LAYER: SOLDERPASTE BOTTOM | | |
| | DRAWN BY: PRAO | | |
| | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |




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|---|---|---|---|
| Infineon Technologies AG<br>Am Campeon 1-15<br>85579 NEUBIBERG - GERMANY | PROJECT: CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD | | |
| | DRAWN BY: PRAO | | |
| | LAYER: SILKSCREEN TOP | | |
| | DWG NO: 610-60593-01 | REV: 05 | DATE: 05/12/21 |




TOUCHPAD AND PROXIMITY

| FUNCTION | P5oC 4 | J2 PIN |
|---|---|---|
| TP_ROW0 | P0.0 | 13 |
| TP_ROW1 | P7.7 | 14 |
| TP_ROW2 | P7.6 | 15 |
| TP_ROW3 | P5.7 | 16 |
| TP_ROW4 | P5.6 | 17 |
| TP_ROW5 | P4.7 | 20 |
| TP_ROW6 | P4.6 | 21 |
| TP_ROW7 | P4.5 | 22 |
| TP_ROW8 | P4.4 | 23 |
| TP_ROW9 | P11.4 | 24 |
| TP_COL0 | P9.0 | 9 |
| TP_COL1 | P9.1 | 8 |
| TP_COL2 | P9.2 | 7 |
| TP_COL3 | P9.3 | 6 |
| TP_COL4 | P5.0 | 5 |
| TP_COL5 | P5.3 | 4 |
| TP_COL6 | P5.4 | 3 |
| TP_COL7 | P5.5 | 2 |
| TP_COL8 | P3.0 | 36 |
| TP_COL9 | P3.1 | 35 |
| TP_COL10 | P3.4 | 34 |
| TP_COL11 | P3.5 | 33 |
| TP_COL12 | P3.6 | 32 |
| TP_COL13 | P3.7 | 31 |
| TP_COL14 | P11.0 | 30 |
| TP_COL15 | P11.1 | 29 |
| PROX | P6.5 | 39 |
| SHIELD0 | P11.3 | 38,40 |
| SHIELD1 | P0.2 | 26 |
| GND | GND | 1,10,11 12,18,19 25,27,28 37 |

| TOUCHPAD HATCH PATTERN CONFIGURATIONS | |
|---|---|
| **HATCH.PATTERN1 <--> SHIELD0** | R8 |
| HATCH.PATTERN1 <--> SHIELD1 | R10 |
| HATCH.PATTERN1 <--> GND | R9 (DEFAULT) |
| HATCH.PATTERN1 <--> HATCH.PATTERN2 | R7 (DEFAULT) |
| HATCH.PATTERN2 <--> GND | R6 |

Infineon Technologies AG
Am Campeon 1-15
85579 NEUBIBERG - GERMANY

| | |
|---|---|
| PROJECT: | CY8CKIT-041S-MAX CAPACITIVE SENSING EXPANSION BOARD |
| DRAWN BY: | PRAO |
| LAYER: | SILKSCREEN BOTTOM |
| DWG NO: | 610-60593-01 |
| REV: | 05 |
| DATE: | 05\12\21 |