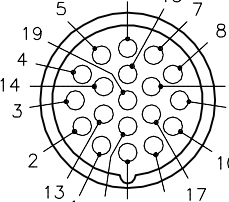
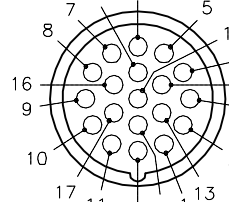
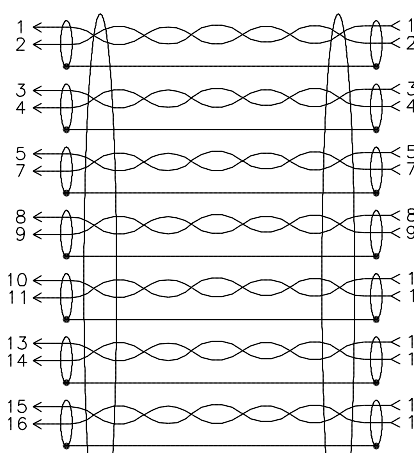
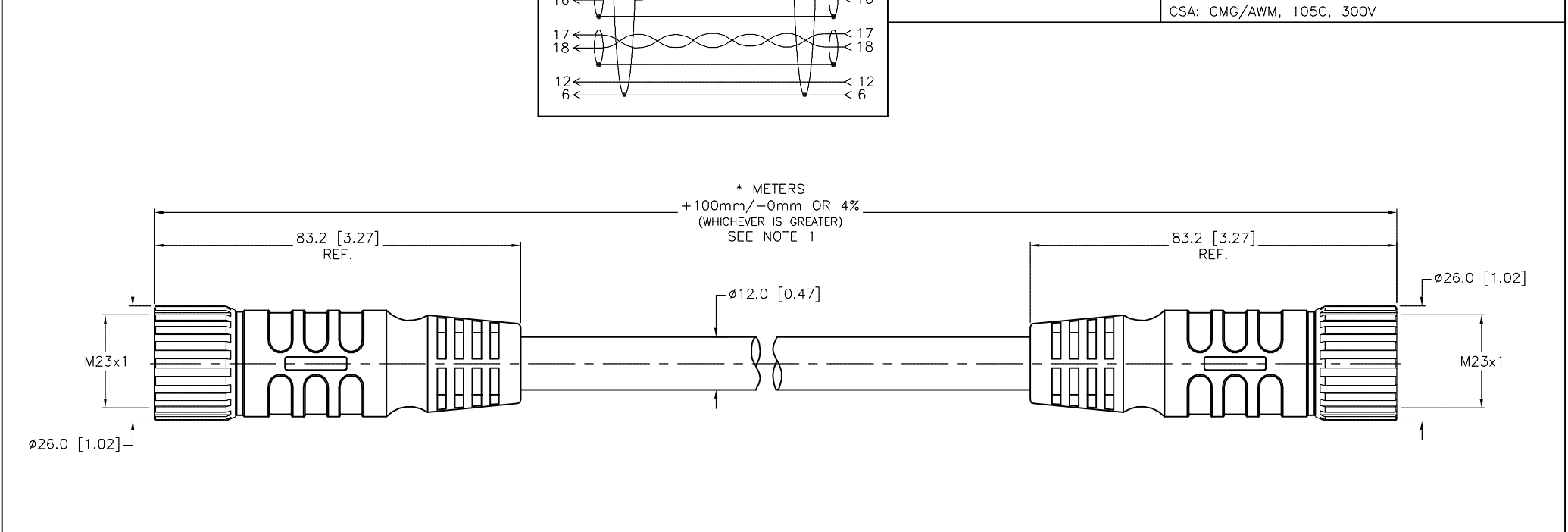


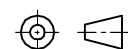
| MALE END VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          | FEMALE END VIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | WIRING DIAGRAM                                                                               |  | SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------|----------------------------|-----------|--------------------------|------------|------------------------------|----------------------------|-------------------|------------------------------------|-------------------|-------|-----------------------------|----------|-------------------------------|-----|----------------------------|----------------------------|--------------|----------------------------------------|-----------------------|-------------------------------------------------|-------------------|-----------------------------------|------------------|----------------|---------------|----------------------------------------------------------|
| <div><div><div>1 = WHT/BLK</div><div>2 = BLK/WHT</div><div>3 = WHT/GRN</div><div>4 = GRN/WHT</div><div>5 = WHT/RED</div><div>6 = DRAIN</div><div>7 = RED/WHT</div><div>8 = WHT/ORG</div><div>9 = ORG/WHT</div><div>10 = WHT/BLU</div><div>11 = BLU/WHT</div><div>12 = GRN/YEL</div><div>13 = WHT/BRN</div><div>14 = BRN/WHT</div><div>15 = WHT/YEL</div><div>16 = YEL/WHT</div><div>17 = WHT/VLT</div><div>18 = VLT/WHT</div><div>19 = N/C</div></div><div> M23 connector</div></div> |                                                          | <div><div><div>1 = WHT/BLK</div><div>2 = BLK/WHT</div><div>3 = WHT/GRN</div><div>4 = GRN/WHT</div><div>5 = WHT/RED</div><div>6 = DRAIN</div><div>7 = RED/WHT</div><div>8 = WHT/ORG</div><div>9 = ORG/WHT</div><div>10 = WHT/BLU</div><div>11 = BLU/WHT</div><div>12 = GRN/YEL</div><div>13 = WHT/BRN</div><div>14 = BRN/WHT</div><div>15 = WHT/YEL</div><div>16 = YEL/WHT</div><div>17 = WHT/VLT</div><div>18 = VLT/WHT</div><div>19 = N/C</div></div><div> M23 connector</div></div> |  | <div></div> |  | <table><tr><td>CONTACT CARRIER MATERIAL</td><td>NYLON or PBT</td></tr><tr><td>MOLDED HEAD MATERIAL/COLOR</td><td>TPU/BLACK</td></tr><tr><td>CONTACT MATERIAL/PLATING</td><td>BRASS/GOLD</td></tr><tr><td>COUPLING NUT MATERIAL/FINISH</td><td>STAINLESS STEEL/PASSIVATED</td></tr><tr><td>RATED CURRENT [A]</td><td>9.0 A (PIN 12), 2.0 A (ALL OTHERS)</td></tr><tr><td>RATED VOLTAGE [V]</td><td>150 V</td></tr><tr><td>OUTER JACKET MATERIAL/COLOR</td><td>PVC/BLUE</td></tr><tr><td>CONDUCTOR INSULATION MATERIAL</td><td>PVC</td></tr><tr><td>NUMBER OF CONDUCTORS [AWG]</td><td>16x22 AWG, 1x18 AWG GROUND</td></tr><tr><td>DRAIN/SHIELD</td><td>9x22 AWG DRAINS/ALUMINUM FOIL SHIELDED</td></tr><tr><td>CONDUCTOR ARRANGEMENT</td><td>8 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN</td></tr><tr><td>TEMPERATURE RANGE</td><td>-40°C to +105°C (-40°F to +221°F)</td></tr><tr><td>PROTECTION CLASS</td><td>MEETS IEC IP67</td></tr><tr><td>CABLE RATINGS</td><td>UL: ITC/PLTC/AWM, 105C, 300V<br/>CSA: CMG/AWM, 105C, 300V</td></tr></table> |  | CONTACT CARRIER MATERIAL | NYLON or PBT | MOLDED HEAD MATERIAL/COLOR | TPU/BLACK | CONTACT MATERIAL/PLATING | BRASS/GOLD | COUPLING NUT MATERIAL/FINISH | STAINLESS STEEL/PASSIVATED | RATED CURRENT [A] | 9.0 A (PIN 12), 2.0 A (ALL OTHERS) | RATED VOLTAGE [V] | 150 V | OUTER JACKET MATERIAL/COLOR | PVC/BLUE | CONDUCTOR INSULATION MATERIAL | PVC | NUMBER OF CONDUCTORS [AWG] | 16x22 AWG, 1x18 AWG GROUND | DRAIN/SHIELD | 9x22 AWG DRAINS/ALUMINUM FOIL SHIELDED | CONDUCTOR ARRANGEMENT | 8 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN | TEMPERATURE RANGE | -40°C to +105°C (-40°F to +221°F) | PROTECTION CLASS | MEETS IEC IP67 | CABLE RATINGS | UL: ITC/PLTC/AWM, 105C, 300V<br>CSA: CMG/AWM, 105C, 300V |
| CONTACT CARRIER MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NYLON or PBT                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| MOLDED HEAD MATERIAL/COLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TPU/BLACK                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| CONTACT MATERIAL/PLATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BRASS/GOLD                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| COUPLING NUT MATERIAL/FINISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | STAINLESS STEEL/PASSIVATED                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| RATED CURRENT [A]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.0 A (PIN 12), 2.0 A (ALL OTHERS)                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| RATED VOLTAGE [V]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 150 V                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| OUTER JACKET MATERIAL/COLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PVC/BLUE                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| CONDUCTOR INSULATION MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PVC                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| NUMBER OF CONDUCTORS [AWG]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16x22 AWG, 1x18 AWG GROUND                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| DRAIN/SHIELD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9x22 AWG DRAINS/ALUMINUM FOIL SHIELDED                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| CONDUCTOR ARRANGEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| TEMPERATURE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C to +105°C (-40°F to +221°F)                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| PROTECTION CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MEETS IEC IP67                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |
| CABLE RATINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UL: ITC/PLTC/AWM, 105C, 300V<br>CSA: CMG/AWM, 105C, 300V |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |              |                            |           |                          |            |                              |                            |                   |                                    |                   |       |                             |          |                               |     |                            |                            |              |                                        |                       |                                                 |                   |                                   |                  |                |               |                                                          |



NOTES:

1. "\*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.

SOURCE DRAWING - FOR REFERENCE ONLY

|                                                                                                                |                                        |                                    |  |                                                   |                      |         |                                                                                       |                    |                                                                                                                            |              |                                                                                                                                                                                                                   |  |                                     |  |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|--|---------------------------------------------------|----------------------|---------|---------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <div>NOTES:</div> <div>1. "*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.</div> |                                        |                                    |  |                                                   | RELATED DOCUMENTS    |         | 3RD ANGLE PROJECTION                                                                  |                    | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. |              | <div>3000 CAMPUS DRIVE<br/>MINNEAPOLIS, MN 55441<br/>1-800-544-7769<br/>(763) 553-7300<br/>(763) 553-0708 fax<br/>turck.com</div> <div><b>TURCK INC</b><br/>High Technology Sensors and Automation Controls</div> |  |                                     |  |
|                                                                                                                |                                        |                                    |  |                                                   | 1.<br>2.<br>3.<br>4. |         |  |                    |                                                                                                                            |              |                                                                                                                                                                                                                   |  |                                     |  |
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|                                                                                                                |                                        |                                    |  |                                                   | SEE SPECIFICATIONS   |         |                                                                                       |                    | APVD                                                                                                                       |              | SCALE 1=1.3                                                                                                                                                                                                       |  |                                     |  |
| FINISH                                                                                                         |                                        | CONTACT TURCK FOR MORE INFORMATION |  | UNIT OF MEASUREMENT<br><b>MILLIMETER [ INCH ]</b> |                      |         |                                                                                       | IDENTIFICATION NO. |                                                                                                                            | REV<br>E     |                                                                                                                                                                                                                   |  |                                     |  |
| SEE SPECIFICATIONS                                                                                             |                                        |                                    |  | DO NOT SCALE THIS DRAWING                         |                      |         |                                                                                       | FILE: 777005464    |                                                                                                                            | SHEET 1 OF 1 |                                                                                                                                                                                                                   |  |                                     |  |
| E                                                                                                              | DRAWING PROCESSED AS PART OF ECO 39876 |                                    |  | KMY                                               | 09/12/12             | 39876   |                                                                                       |                    |                                                                                                                            |              |                                                                                                                                                                                                                   |  |                                     |  |
| REV                                                                                                            | DESCRIPTION                            |                                    |  | BY                                                | DATE                 | ECO NO. |                                                                                       |                    |                                                                                                                            |              |                                                                                                                                                                                                                   |  |                                     |  |