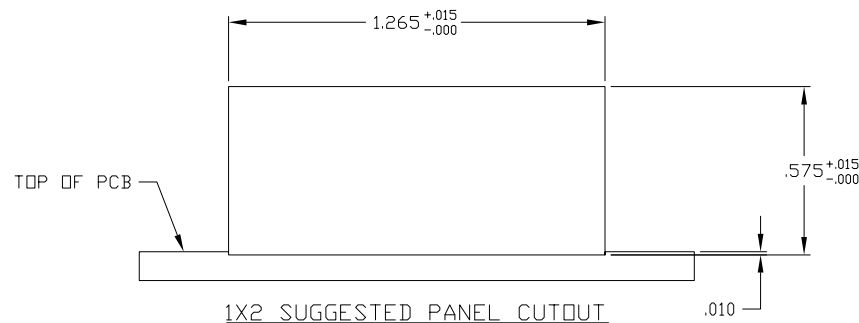
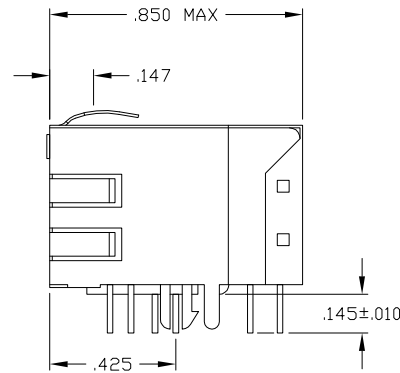
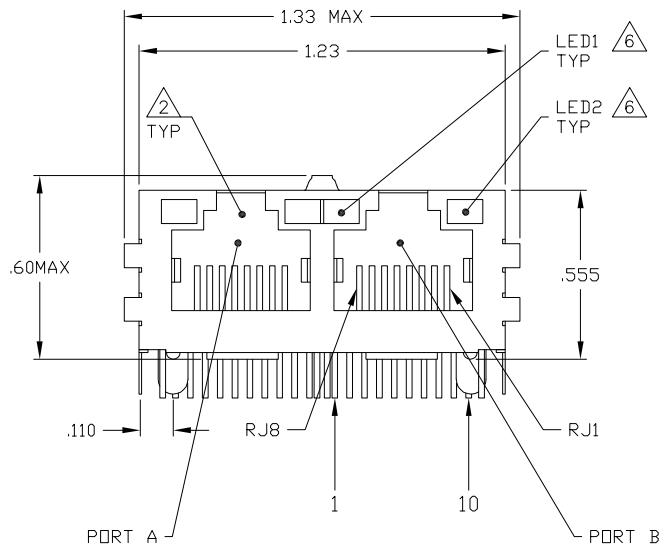
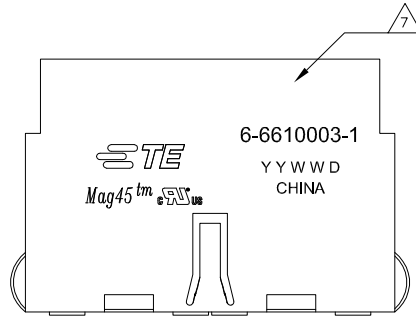


| LOC | DATE                      | REVISIONS | DATE      | BY | APP'D |
|-----|---------------------------|-----------|-----------|----|-------|
| AA  | 22                        |           |           |    |       |
| C   | REV PER ECO-08-021860     |           | 08APR2008 | VL | TX    |
| C1  | REVISED PER ECO-09-024827 |           | 10NOV09   | KK | AEG   |
| D   | ECO-11-013928             |           | 30MAY2011 | EL | LR    |

MECHANICAL:



- 1. MATERIALS:
  - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
  - SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL.
  - SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
  - MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
  - LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- 2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
- 3. MAGNETICS
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP/CABLE): 1:1 ALL FOUR PAIRS
  - OPEN CIRCUIT INDUCTANCE (OCL): 350μH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
  - ALL FOUR PAIRS BI-DIRECTIONAL
  - PERFORMANCE @ 25°C:
    - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
    - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 4.0MHz
    - 12-20LOG(f/80)dB MIN FROM 4.0.1MHz TO 100MHz
    - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
    - 33-20LOG(f/50)dB MIN FROM 4.0.1MHz TO 100MHz
    - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
    - ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
- 4. OPERATING TEMPERATURE: FROM 0° TO +70°C
- 5. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO ACCOMMODATE AUTO-MDI/MDIX.
- 6. THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
  - LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. at IF=20mA
  - FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
  - DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. at IF=20mA
  - FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA.
  - IF THE LED WITH 250 OHM RESISTORS, LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.
  - LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. At VF=5V
  - FORWARD CURRENT (IF): GREEN 12 mA TYP. at VF=5V
  - DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. At VF=5V
  - FORWARD CURRENT (IF): YELLOW 13 mA TYP. at VF=5V
- 7. TE CONNECTIVITY LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.
- 9. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

| YES                  | GREEN  | YES               | GREEN  | YES               | 6-6610003-1            |
|----------------------|--------|-------------------|--------|-------------------|------------------------|
| YES                  | GREEN  | NO                | YELLOW | NO                | 5-6610003-8            |
| YES                  | YELLOW | YES               | GREEN  | YES               | 5-6610003-2            |
| <b>9</b> OBSOLETE    | YES    | GREEN             | YES    | YELLOW            | <del>5-6610003-4</del> |
| DECOUPLING CAPACITOR | LED1   | 250 OHMS RESISTOR | LED2   | 250 OHMS RESISTOR | PART NUMBER            |

| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | REV. 1 - VARELA - 03/03/2008 |           | REV. 2 - FAROLE - 10/04/2008 |           |
|--|--------|------------------------------|-----------|------------------------------|-----------|
| DIMENSIONS:                            | INCHES | NO. PARTS                    | NO. PARTS | NO. PARTS                    | NO. PARTS |
| 0. P.C.                                | ± .010 | 1. P.C.                      | ± .010    | 2. P.C.                      | ± .010    |
| 1. P.C.                                | ± .010 | 3. P.C.                      | ± .010    | 4. P.C.                      | ± .010    |
| 2. P.C.                                | ± .010 | 5. P.C.                      | ± .010    | 6. P.C.                      | ± .010    |
| 3. P.C.                                | ± .010 | 7. P.C.                      | ± .010    | 8. P.C.                      | ± .010    |
| 4. P.C.                                | ± .010 | 9. P.C.                      | ± .010    | 10. P.C.                     | ± .010    |
| 5. P.C.                                | ± .010 | 11. P.C.                     | ± .010    | 12. P.C.                     | ± .010    |
| 6. P.C.                                | ± .010 | 13. P.C.                     | ± .010    | 14. P.C.                     | ± .010    |
| 7. P.C.                                | ± .010 | 15. P.C.                     | ± .010    | 16. P.C.                     | ± .010    |
| 8. P.C.                                | ± .010 | 17. P.C.                     | ± .010    | 18. P.C.                     | ± .010    |
| 9. P.C.                                | ± .010 | 19. P.C.                     | ± .010    | 20. P.C.                     | ± .010    |
| 10. P.C.                               | ± .010 | 21. P.C.                     | ± .010    | 22. P.C.                     | ± .010    |
| 11. P.C.                               | ± .010 | 23. P.C.                     | ± .010    | 24. P.C.                     | ± .010    |
| 12. P.C.                               | ± .010 | 25. P.C.                     | ± .010    | 26. P.C.                     | ± .010    |
| 13. P.C.                               | ± .010 | 27. P.C.                     | ± .010    | 28. P.C.                     | ± .010    |
| 14. P.C.                               | ± .010 | 29. P.C.                     | ± .010    | 30. P.C.                     | ± .010    |
| 15. P.C.                               | ± .010 | 31. P.C.                     | ± .010    | 32. P.C.                     | ± .010    |
| 16. P.C.                               | ± .010 | 33. P.C.                     | ± .010    | 34. P.C.                     | ± .010    |
| 17. P.C.                               | ± .010 | 35. P.C.                     | ± .010    | 36. P.C.                     | ± .010    |
| 18. P.C.                               | ± .010 | 37. P.C.                     | ± .010    | 38. P.C.                     | ± .010    |
| 19. P.C.                               | ± .010 | 39. P.C.                     | ± .010    | 40. P.C.                     | ± .010    |
| 20. P.C.                               | ± .010 | 41. P.C.                     | ± .010    | 42. P.C.                     | ± .010    |
| 21. P.C.                               | ± .010 | 43. P.C.                     | ± .010    | 44. P.C.                     | ± .010    |
| 22. P.C.                               | ± .010 | 45. P.C.                     | ± .010    | 46. P.C.                     | ± .010    |
| 23. P.C.                               | ± .010 | 47. P.C.                     | ± .010    | 48. P.C.                     | ± .010    |
| 24. P.C.                               | ± .010 | 49. P.C.                     | ± .010    | 50. P.C.                     | ± .010    |
| 25. P.C.                               | ± .010 | 51. P.C.                     | ± .010    | 52. P.C.                     | ± .010    |
| 26. P.C.                               | ± .010 | 53. P.C.                     | ± .010    | 54. P.C.                     | ± .010    |
| 27. P.C.                               | ± .010 | 55. P.C.                     | ± .010    | 56. P.C.                     | ± .010    |
| 28. P.C.                               | ± .010 | 57. P.C.                     | ± .010    | 58. P.C.                     | ± .010    |
| 29. P.C.                               | ± .010 | 59. P.C.                     | ± .010    | 60. P.C.                     | ± .010    |
| 30. P.C.                               | ± .010 | 61. P.C.                     | ± .010    | 62. P.C.                     | ± .010    |
| 31. P.C.                               | ± .010 | 63. P.C.                     | ± .010    | 64. P.C.                     | ± .010    |
| 32. P.C.                               | ± .010 | 65. P.C.                     | ± .010    | 66. P.C.                     | ± .010    |
| 33. P.C.                               | ± .010 | 67. P.C.                     | ± .010    | 68. P.C.                     | ± .010    |
| 34. P.C.                               | ± .010 | 69. P.C.                     | ± .010    | 70. P.C.                     | ± .010    |
| 35. P.C.                               | ± .010 | 71. P.C.                     | ± .010    | 72. P.C.                     | ± .010    |
| 36. P.C.                               | ± .010 | 73. P.C.                     | ± .010    | 74. P.C.                     | ± .010    |
| 37. P.C.                               | ± .010 | 75. P.C.                     | ± .010    | 76. P.C.                     | ± .010    |
| 38. P.C.                               | ± .010 | 77. P.C.                     | ± .010    | 78. P.C.                     | ± .010    |
| 39. P.C.                               | ± .010 | 79. P.C.                     | ± .010    | 80. P.C.                     | ± .010    |
| 40. P.C.                               | ± .010 | 81. P.C.                     | ± .010    | 82. P.C.                     | ± .010    |
| 41. P.C.                               | ± .010 | 83. P.C.                     | ± .010    | 84. P.C.                     | ± .010    |
| 42. P.C.                               | ± .010 | 85. P.C.                     | ± .010    | 86. P.C.                     | ± .010    |
| 43. P.C.                               | ± .010 | 87. P.C.                     | ± .010    | 88. P.C.                     | ± .010    |
| 44. P.C.                               | ± .010 | 89. P.C.                     | ± .010    | 90. P.C.                     | ± .010    |
| 45. P.C.                               | ± .010 | 91. P.C.                     | ± .010    | 92. P.C.                     | ± .010    |
| 46. P.C.                               | ± .010 | 93. P.C.                     | ± .010    | 94. P.C.                     | ± .010    |
| 47. P.C.                               | ± .010 | 95. P.C.                     | ± .010    | 96. P.C.                     | ± .010    |
| 48. P.C.                               | ± .010 | 97. P.C.                     | ± .010    | 98. P.C.                     | ± .010    |
| 49. P.C.                               | ± .010 | 99. P.C.                     | ± .010    | 100. P.C.                    | ± .010    |
| 50. P.C.                               | ± .010 | 101. P.C.                    | ± .010    | 102. P.C.                    | ± .010    |
| 51. P.C.                               | ± .010 | 103. P.C.                    | ± .010    | 104. P.C.                    | ± .010    |
| 52. P.C.                               | ± .010 | 105. P.C.                    | ± .010    | 106. P.C.                    | ± .010    |
| 53. P.C.                               | ± .010 | 107. P.C.                    | ± .010    | 108. P.C.                    | ± .010    |
| 54. P.C.                               | ± .010 | 109. P.C.                    | ± .010    | 110. P.C.                    | ± .010    |
| 55. P.C.                               | ± .010 | 111. P.C.                    | ± .010    | 112. P.C.                    | ± .010    |
| 56. P.C.                               | ± .010 | 113. P.C.                    | ± .010    | 114. P.C.                    | ± .010    |
| 57. P.C.                               | ± .010 | 115. P.C.                    | ± .010    | 116. P.C.                    | ± .010    |
| 58. P.C.                               | ± .010 | 117. P.C.                    | ± .010    | 118. P.C.                    | ± .010    |
| 59. P.C.                               | ± .010 | 119. P.C.                    | ± .010    | 120. P.C.                    | ± .010    |
| 60. P.C.                               | ± .010 | 121. P.C.                    | ± .010    | 122. P.C.                    | ± .010    |
| 61. P.C.                               | ± .010 | 123. P.C.                    | ± .010    | 124. P.C.                    | ± .010    |
| 62. P.C.                               | ± .010 | 125. P.C.                    | ± .010    | 126. P.C.                    | ± .010    |
| 63. P.C.                               | ± .010 | 127. P.C.                    | ± .010    | 128. P.C.                    | ± .010    |
| 64. P.C.                               | ± .010 | 129. P.C.                    | ± .010    | 130. P.C.                    | ± .010    |
| 65. P.C.                               | ± .010 | 131. P.C.                    | ± .010    | 132. P.C.                    | ± .010    |
| 66. P.C.                               | ± .010 | 133. P.C.                    | ± .010    | 134. P.C.                    | ± .010    |
| 67. P.C.                               | ± .010 | 135. P.C.                    | ± .010    | 136. P.C.                    | ± .010    |
| 68. P.C.                               | ± .010 | 137. P.C.                    | ± .010    | 138. P.C.                    | ± .010    |
| 69. P.C.                               | ± .010 | 139. P.C.                    | ± .010    | 140. P.C.                    | ± .010    |
| 70. P.C.                               | ± .010 | 141. P.C.                    | ± .010    | 142. P.C.                    | ± .010    |
| 71. P.C.                               | ± .010 | 143. P.C.                    | ± .010    | 144. P.C.                    | ± .010    |
| 72. P.C.                               | ± .010 | 145. P.C.                    | ± .010    | 146. P.C.                    | ± .010    |
| 73. P.C.                               | ± .010 | 147. P.C.                    | ± .010    | 148. P.C.                    | ± .010    |
| 74. P.C.                               | ± .010 | 149. P.C.                    | ± .010    | 150. P.C.                    | ± .010    |
| 75. P.C.                               | ± .010 | 151. P.C.                    | ± .010    | 152. P.C.                    | ± .010    |
| 76. P.C.                               | ± .010 | 153. P.C.                    | ± .010    | 154. P.C.                    | ± .010    |
| 77. P.C.                               | ± .010 | 155. P.C.                    | ± .010    | 156. P.C.                    | ± .010    |
| 78. P.C.                               | ± .010 | 157. P.C.                    | ± .010    | 158. P.C.                    | ± .010    |
| 79. P.C.                               | ± .010 | 159. P.C.                    | ± .010    | 160. P.C.                    | ± .010    |
| 80. P.C.                               | ± .010 | 161. P.C.                    | ± .010    | 162. P.C.                    | ± .010    |
| 81. P.C.                               | ± .010 | 163. P.C.                    | ± .010    | 164. P.C.                    | ± .010    |
| 82. P.C.                               | ± .010 | 165. P.C.                    | ± .010    | 166. P.C.                    | ± .010    |
| 83. P.C.                               | ± .010 | 167. P.C.                    | ± .010    | 168. P.C.                    | ± .010    |
| 84. P.C.                               | ± .010 | 169. P.C.                    | ± .010    | 170. P.C.                    | ± .010    |
| 85. P.C.                               | ± .010 | 171. P.C.                    | ± .010    | 172. P.C.                    | ± .010    |
| 86. P.C.                               | ± .010 | 173. P.C.                    | ± .010    | 174. P.C.                    | ± .010    |
| 87. P.C.                               | ± .010 | 175. P.C.                    | ± .010    | 176. P.C.                    | ± .010    |
| 88. P.C.                               | ± .010 | 177. P.C.                    | ± .010    | 178. P.C.                    | ± .010    |
| 89. P.C.                               | ± .010 | 179. P.C.                    | ± .010    | 180. P.C.                    | ± .010    |
| 90. P.C.                               | ± .010 | 181. P.C.                    | ± .010    | 182. P.C.                    | ± .010    |
| 91. P.C.                               | ± .010 | 183. P.C.                    | ± .010    | 184. P.C.                    | ± .010    |
| 92. P.C.                               | ± .010 | 185. P.C.                    | ± .010    | 186. P.C.                    | ± .010    |
| 93. P.C.                               | ± .010 | 187. P.C.                    | ± .010    | 188. P.C.                    | ± .010    |
| 94. P.C.                               | ± .010 | 189. P.C.                    | ± .010    | 190. P.C.                    | ± .010    |
| 95. P.C.                               | ± .010 | 191. P.C.                    | ± .010    | 192. P.C.                    | ± .010    |
| 96. P.C.                               | ± .010 | 193. P.C.                    | ± .010    | 194. P.C.                    | ± .010    |
| 97. P.C.                               | ± .010 | 195. P.C.                    | ± .010    | 196. P.C.                    | ± .010    |
| 98. P.C.                               | ± .010 | 197. P.C.                    | ± .010    | 198. P.C.                    | ± .010    |
| 99. P.C.                               | ± .010 | 199. P.C.                    | ± .010    | 200. P.C.                    | ± .010    |
| 100. P.C.                              | ± .010 | 201. P.C.                    | ± .010    | 202. P.C.                    | ± .010    |
| 101. P.C.                              | ± .010 | 203. P.C.                    | ± .010    | 204. P.C.                    | ± .010    |
| 102. P.C.                              | ± .010 | 205. P.C.                    | ± .010    | 206. P.C.                    | ± .010    |
| 103. P.C.                              | ± .010 | 207. P.C.                    | ± .010    | 208. P.C.                    | ± .010    |
| 104. P.C.                              | ± .010 | 209. P.C.                    | ± .010    | 210. P.C.                    | ± .010    |
| 105. P.C.                              | ± .010 | 211. P.C.                    | ± .010    | 212. P.C.                    | ± .010    |
| 106. P.C.                              | ± .010 | 213. P.C.                    | ± .010    | 214. P.C.                    | ± .010    |
| 107. P.C.                              | ± .010 | 215. P.C.                    | ± .010    | 216. P.C.                    | ± .010    |
| 108. P.C.                              | ± .010 | 217. P.C.                    | ± .010    | 218. P.C.                    | ± .010    |
| 109. P.C.                              | ± .010 | 219. P.C.                    | ± .010    | 220. P.C.                    | ± .010    |
| 110. P.C.                              | ± .010 | 221. P.C.                    | ± .010    | 222. P.C.                    | ± .010    |
| 111. P.C.                              | ± .010 | 223. P.C.                    | ± .010    | 224. P.C.                    | ± .010    |
| 112. P.C.                              | ± .010 | 225. P.C.                    | ± .010    | 226. P.C.                    | ± .010    |
| 113. P.C.                              | ± .010 | 227. P.C.                    | ± .010    | 228. P.C.                    | ± .010    |
| 114. P.C.                              | ± .010 | 229. P.C.                    | ± .010    | 230. P.C.                    | ± .010    |
| 115. P.C.                              | ± .010 | 231. P.C.                    | ± .010    | 232. P.C.                    | ± .010    |
| 116. P.C.                              | ± .010 | 233. P.C.                    | ± .010    | 234. P.C.                    | ± .010    |
| 117. P.C.                              | ± .010 | 235. P.C.                    | ± .010    | 236. P.C.                    | ± .010    |
| 118. P.C.                              | ± .010 | 237. P.C.                    | ± .010    | 238. P.C.                    | ± .010    |
| 119. P.C.                              | ± .010 | 239. P.C.                    | ± .010    | 240. P.C.                    | ± .010    |
| 120. P.C.                              | ± .010 | 241. P.C.                    | ± .010    | 242. P.C.                    | ± .010    |
| 121. P.C.                              | ± .010 | 243. P.C.                    | ± .010    | 244. P.C.                    | ± .010    |
| 122. P.C.                              | ± .010 | 245. P.C.                    | ± .010    | 246. P.C.                    | ± .010    |
| 123. P.C.                              | ± .010 | 247. P.C.                    | ± .010    | 248. P.C.                    | ± .010    |
| 124. P.C.                              | ± .010 | 249. P.C.                    | ± .010    | 250. P.C.                    | ± .010    |
| 125. P.C.                              | ± .010 | 251. P.C.                    | ± .010    | 252. P.C.                    | ± .010    |
| 126. P.C.                              | ± .010 | 253. P.C.                    | ± .010    | 254. P.C.                    | ± .010    |
| 127. P.C.                              | ± .010 | 255. P.C.                    | ± .010    | 256. P.C.                    | ± .010    |
| 128. P.C.                              | ± .010 | 257. P.C.                    | ± .010    | 258. P.C.                    | ± .010    |
| 129. P.C.                              | ± .010 | 259. P.C.                    | ± .010    | 260. P.C.                    | ± .010    |

