11. THE PRODUCTS WITH OPTION -DS AND -SS SHOULD BE PACKAGED IN BUBBLE BAGS.

14. CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.

13. -TC TEFLON USE FOR DOUBLE ENDED ASSEMBLIES ONLY,

12. NOTE DELETED.

11. WIRE CRIMP STRENGTH FOR -28 AWG.

10. REFER TO CRIMP SPECIFICATIONS PRINT FOR CRIMP AND STRIP DIMENSIONS, TOOLTIONS, AND ITS REQUIREMENTS.

9. NOTE DELETED.

8. FOR LENGTHS LESS THAN 12 in, TOLERANCE SHALL BE +/-.125.

7. NOTE DELETED.

6. PARTS TO BE LAYER PACKAGED.

5. TINNED COPPER WIRE IS RoHS COMPLIANT.

4. ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST AT 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET STAMP ON THE BODY.

3. CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.

2. MINIMUM PULLOUT FORCE: 3.0 LBS [13.3 N].

1. REPRESENTS A CRITICAL DIMENSION.
Table 5 - Pin Mapping

<table>
<thead>
<tr>
<th>End Option (Double)</th>
<th>END 1</th>
<th>END 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>-NUS</td>
<td>01</td>
<td>N-1</td>
</tr>
<tr>
<td>-NUX</td>
<td>01</td>
<td>N</td>
</tr>
<tr>
<td>-NDS</td>
<td>01</td>
<td>2</td>
</tr>
<tr>
<td>-NDX</td>
<td>01</td>
<td>1</td>
</tr>
</tbody>
</table>

(Fig 3) -SL: SINGLE END FRICTION LOCK
SFSDX-10-28-XX-XX-XX-SL SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

(Fig 4) -DL: DOUBLE END FRICTION LOCK
SFSDX-10-28-XX-XX-XX-DL-NUS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
**FIG 5**
-SR: SINGLE END WITH RETENTION LATCH
SFSDX-05-28-XX-XX-XX-SR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

(No OF POS x .050[1.27]) + .145[3.68] REF

**FIG 6**
-DR: DOUBLE END WITH RETENTION LATCH
SFSDX-05-28-XX-XX-XX-DR SHOWN
(ONLY AVAILABLE ON -02 THRU -50 POS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

(No OF POS x .050[1.27]) + .145[3.68] REF (TYP)

---

### TABLE 4

<table>
<thead>
<tr>
<th>COLOR</th>
<th>brown</th>
<th>red</th>
<th>orange</th>
<th>yellow</th>
<th>green</th>
<th>violet</th>
<th>gray</th>
<th>white</th>
<th>black</th>
<th>blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWC-XX-01-300</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>DWC-XX-02-300</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>DWC-XX-03-300</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>DWC-XX-04-300</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
<tr>
<td>DWC-XX-05-300</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
</tr>
<tr>
<td>DWC-XX-06-300</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
</tr>
<tr>
<td>DWC-XX-07-300</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
<td>69</td>
<td>70</td>
</tr>
<tr>
<td>DWC-XX-08-300</td>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>DWC-XX-09-300</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
</tr>
<tr>
<td>DWC-XX-10-300</td>
<td>91</td>
<td>92</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
</tr>
</tbody>
</table>

---

**DESCRIPTION:**

.050[1.27] SOCKET DISCRETE CABLE ASSEMBLY

**DRAWING NO.:**

SFSDX-XX-XXX-XX-XX-XX-XXX

**DATE:**

5/5/2005

**SHEET:**

3 of 5
FIG 7
-SS: SINGLE END WITH SCREW DOWN
SFSDX-10-XXX-XX,XX,XX-SS SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

FIG 8
-DS: DOUBLE END WITH SCREW DOWN
SFSDX-10-XXX-XX,XX,XX-DS-NDS SHOWN
(MUST CHOOSE FROM -NXXX OPTIONS)
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
TABLE 6
(OVERALL LENGTH SUBTRACTORS)

<table>
<thead>
<tr>
<th>END</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>-S:</td>
<td>0.249 [6.325]</td>
</tr>
<tr>
<td>-D:</td>
<td>0.498 [12.649]</td>
</tr>
</tbody>
</table>

OVERALL LENGTH (SEE TABLE 6)

-S: SINGLE END

-D: DOUBLE END

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS, AND EXPRESSIONS THEREOF OF SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR IN PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

REVISION AW

OVERALL LENGTH

SFSDX-XX-XXX-XX-XX-XX-XX-XX-XX-XXX-MKT.SLDDRW

F:\DWG\MISC\MKTG\SFSDX-XX-XXX-XX-XX-XX-XX-XX-XXX-MKT.SLDDRW

REVISION AW