

## NO RTEC JOB SPECIFIC SKILLS COMPETENCY

### **ELECTRONICS ASSEMBLER (comm. equip.; electron. comp.; inst. & app.)**

**DOT 726.684-018 SVP 4**

**Job Description:** Assembles electronic components, subassemblies, products, or systems according to production specifications and standards. *Physical Demands* - Mildly active w/light lifting, carrying, or moving (up to 20 lbs); *General Education Development* - R2 M1 L2; *Aptitudes* - Above average Finger and Manual Dexterity - Average Numerical, Spatial, Form Perception, Motor Coordination and Color Discrimination.

### **CORE SKILL COMPETENCIES/INDICATORS:**

1. Can demonstrate ability to read and interpret work orders, following production drawings and sample assemblies. (R, IN, S, T)
2. Can demonstrate ability to correctly understand verbal instructions regarding assemblies to be performed. (R, IN, S, T)
3. Can demonstrate familiarity with industry-specific handtools, power tools, machines, and equipment. (R, S, T)
4. Can demonstrate proper technique used to position and align parts in specified relationship to each other in jig, fixture, or other holding device. (R, S, T)
5. Can demonstrate proper technique used to crimp, stake, screw, bolt, rivet, weld, solder, cement, press fit, or similar operations to join or secure parts in place. (R, S, T)
6. Can demonstrate proper technique used to mount assembled components on chassis panel. (R, S, T)
7. Can demonstrate proper technique used to connect component lead wires to printed circuit. (R, S, T)
8. Can demonstrate ability to appropriately route and connect wires between individual component leads and other components, connectors, terminals and contact points, using soldering, welding, thermocompression, or related bonding procedures and equipment. (R, S, T)
9. Can demonstrate proper technique used to install finished assemblies or subassemblies in cases or cabinets. (R, S, T)
10. Can demonstrate proper technique used to assemble and attach hardware, such as knobs, switches, clamps, to assemblies. (R, S, T)
11. Can demonstrate ability to perform intermediate assembly tasks, such as sanding, epoxy bonding, etching, encapsulating, and color coding parts and assemblies. (R, S, T)
12. Can demonstrate ability to understand and appropriately tend machines that press, shape, or wind component parts. (R, S, T)
13. Can demonstrate proper technique used to adjust or trim materials from components to achieve specified electrical or dimensional characteristics. (R, S, T)
14. Can demonstrate ability to appropriately perform on-line go-not-go testing and inspection, using magnifying devices, measuring instruments, and electronic test equipment. (R, IN, S, T)
15. Can demonstrate ability to perform assembly operations under microscope or other magnifying device. (R, IN, S, T)
16. Can demonstrate ability to appropriately clean parts, using cleaning solution, air hose, and cloth. (R, S, T)
17. Can demonstrate ability to understand and maintain all shop safety procedures and requirements. (IN, S)
18. Can demonstrate ability to effectively and appropriately communicate with co-workers and supervisors. (I)