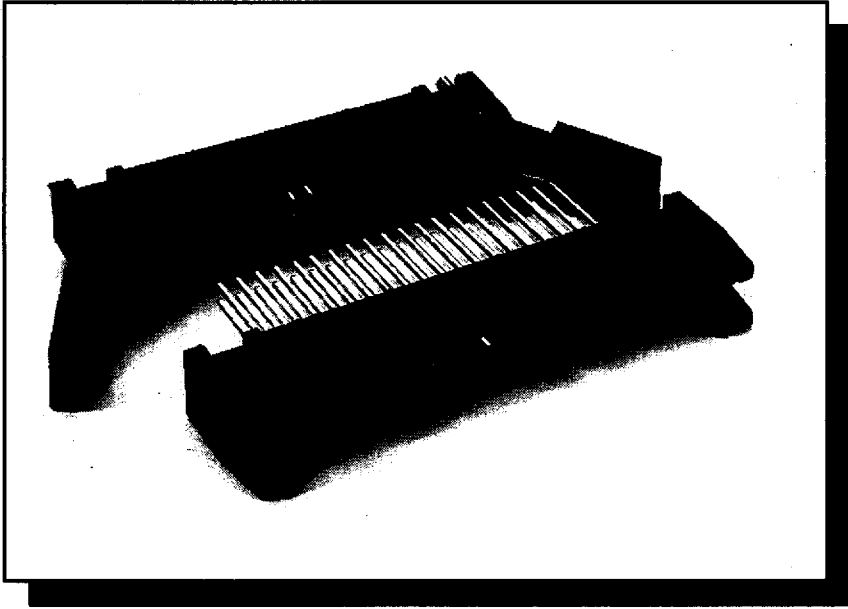


SH Series

A-61-05-05



The ruggedized four wall SIG® header is compatible with traditional IDC. 100 x .100 grid dimension and PC board mounting footprints. The heavy duty latch arms and added height dimension provide the structural required to handle the heavier shielded and jacketed high pin count (64pin) applications.

SIG® headers are available in pin counts from 26 contacts to 64 contacts in all the industry standard wire wrap and solder tail configurations.

Spring contacts mounted in the latch arms of the SIG® header make solid wiping contact to the ground stud and to the ground or shield ground as required.

Features

- **Through Grounding of Cables**
Through header grounding of shielded cable drain wires or ground return path for logic ground.
- **Heavy Duty Construction**
Four sided shroud prevents mismatching of connectors
Accommodates shielded and jacketed cable assemblies
- **Available in Many Styles**
10 thru 64 contacts
Vertical and right angle mount
Wire wrap and P.C.B. tails
Optional plating
Latch and eject mechanisms available to accommodate most connectors

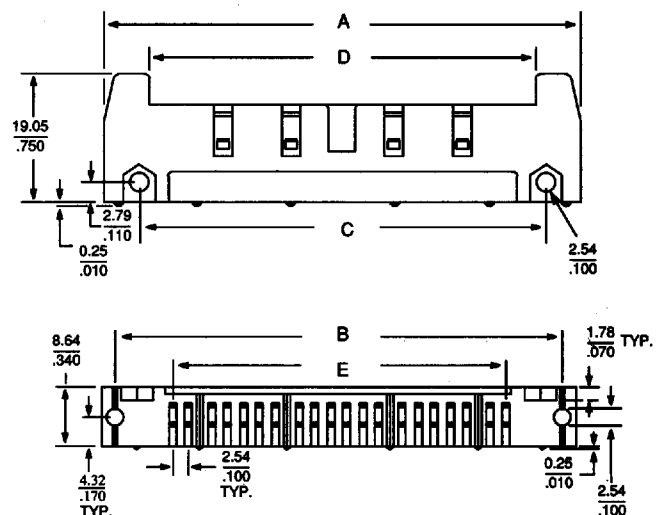
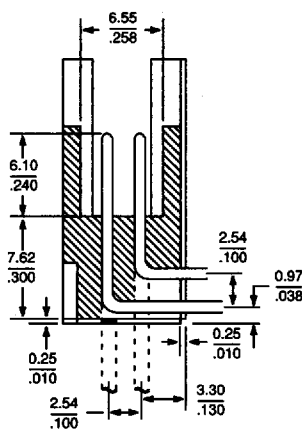
Materials

- **Insulator:** Glass reinforced polyester, UL94V-0 rated
- **Contact Material:** CDA-725 Alloy
- **Contact Plating:** 20 μ " hard gold

Performance Characteristics

- **Current Rating:** 1 Amp
- **Insulation Resistance:** 5×10^8 Ohms max.
- **Dielectric Withstanding** 1000 VRMS sea level
- **Operating Temperature:** -55° to + 105°C

Dimensions

MILLIMETER
INCH

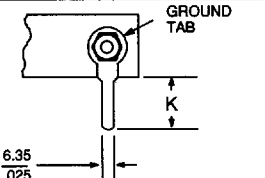
Dimensions

Number of Contacts

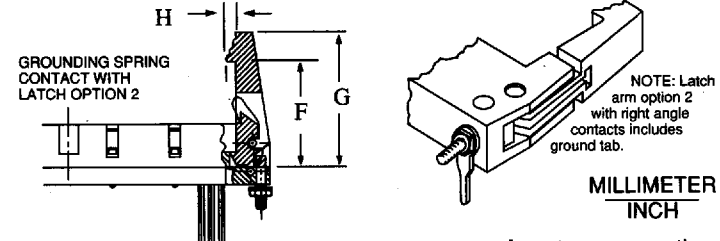
	10	14	16	20	26	34	40	50	60	64
A	<u>32.00</u> .1260	<u>37.08</u> 1.460	<u>39.62</u> 1.560	<u>44.70</u> 1.760	<u>52.32</u> 2.060	<u>62.48</u> 2.460	<u>70.10</u> 2.760	<u>82.80</u> 3.260	<u>95.50</u> 3.760	<u>100.58</u> 3.960
B	<u>27.94</u> 1.100	<u>33.02</u> 1.300	<u>35.56</u> 1.400	<u>40.64</u> 1.600	<u>48.26</u> 1.900	<u>58.42</u> 2.300	<u>66.04</u> 2.600	<u>78.74</u> 3.100	<u>91.44</u> 3.600	<u>96.52</u> 3.890
C	<u>21.84</u> .860	<u>26.92</u> 1.060	<u>29.46</u> 1.160	<u>34.54</u> 1.360	<u>42.16</u> 1.660	<u>52.32</u> 2.060	<u>59.94</u> 2.460	<u>72.64</u> 2.860	<u>85.34</u> 3.360	<u>90.42</u> 3.410
D	<u>18.03</u> .710	<u>23.11</u> .910	<u>25.65</u> 1.010	<u>30.73</u> 1.210	<u>38.35</u> 1.510	<u>48.51</u> 1.910	<u>56.13</u> 2.210	<u>68.83</u> 2.710	<u>81.53</u> 3.210	<u>86.61</u> 3.410
E	<u>10.16</u> .400	<u>15.24</u> .600	<u>17.78</u> .700	<u>22.86</u> .900	<u>30.48</u> 1.200	<u>40.64</u> 1.600	<u>48.26</u> 1.900	<u>60.96</u> 2.400	<u>73.66</u> 2.900	<u>78.74</u> 3.100

Ground Tab Options

Contact Type	K
1 OR 4	<u>4.06</u> .160
3	<u>2.54</u> .100



Latch Arm Options



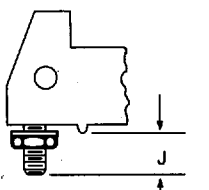
DIM.	1	2	4	7
F	<u>21.67</u> .853	<u>21.67</u> .853	<u>14.81</u> .583	
G	<u>28.80</u> 1.134	<u>28.80</u> 1.134	<u>21.95</u> .864	<u>21.84</u> .860
H	<u>2.74</u> .108	<u>2.74</u> .108	<u>2.74</u> .108	0

MILLIMETER
INCH

Augat reserves the right to discontinue the manufacturer change specifications without prior notice on any parts illustrated in this data sheet. Current drawings and specs are available upon request.

Mounting Stud Option

	J
0	No stud
C	<u>55.51</u> .217



Part Number For Completed Assemblies

S	H	X	X	—	X	A	—	X	X
Series	#of Contacts	Type of Contact			Contact Plating	Latch Arm Options		Mounting Stud Options	
	10, 14, 16, 20, 26, 34, 40, 50, 60 & 64	Right Angle 1-3 level W.W. 3-.062 solder tail 4-.125 solder tail Straight 5-3-level W.W. 7-.062 solder tail 8-.125 solder tail			A=20 Microinches gold in contact area with tin/lead on solder tails (20μ" gold tails on wire wrap) Consult factory for other plating options.	0-No latch arms 1-.SIG latch and eject only 2-.SIG latch and eject with grounding option <i>option includes a mounting stud</i> 4-Used for Std. IDC connectors "F" DIM. = .583" 7-Eject mechanisms only for all sockets		0=No stud 1= #2-56 threaded stud with nut & washer * Must indicate O when using latch arm option 2 (stud already included)	